

List of FIND.BAS

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100 REM ... FIND A KEY WORD IN SIGM.DIR
110 DIM A$(10,10)
120 PRINT CHR$(27);"LZ"
130 PRINT "This routine will scan SIGM.DIR and print any lines which"
140 PRINT "contain a given key word.": PRINT
150 PRINT "UPPER & lower case characters are considered different."
160 PRINT "Enter up to 10 keywords of up to 10 letters each to match ";
170 PRINT "in this pass."
180 PRINT "For fastest processing enter most likely match first."
190 PRINT
200 FOR I%=1 TO 10
210 PRINT "Keyword number";I%";":
220 LINE INPUT A$(I%,1)
230 IF LEN(A$(I%,1))=0 THEN 250
240 NEXT I%
250 IF I%<>11 THEN I%=I%-1
260 PRINT: INPUT "Press return when ready",HOLDING$
270 COUNT%=0
280 PRINT: PRINT "      Searching SIG/M 1-256 for : "
290 FOR J%=1 TO I%
300 PRINT TAB(35);A$(J%,1)
310 NEXT J%
320 PRINT
330 PRINT "Disk#   Filename.ext   Size   CRC   Comments"
340 PRINT "-----"
350 PRINT
360 OPEN "I",1,"SIGM.DIR"
370 LINE INPUT #1,B$
380 IF EOF(1) THEN 470
390 FOR J%=1 TO I%
400 N%=INSTR(1,B$,A$(J%,1))
410 IF N%=0 THEN 450
420 COUNT%=COUNT%+1
430 PRINT B$
440 GOTO 370
450 NEXT J%
460 GOTO 370
470 PRINT: PRINT CHR$(7);"End of SIGM.DIR"
480 PRINT COUNT%;" lines contained at least one of the keywords."
490 CLOSE 1
500 END

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Disk#	Filename.ext	Size	CRC	Comments
007.09	PURGE .ASC	4K	xx xx	Remove killed msg's from RIBBs files -MBASIC
007.10	RIBBS .ASC	20K	xx xx	Remote Iselin bulletin board system - MBASIC
007.16	MENU .ASM	9K	xx xx	Creates menu of all .COM and .BAS files
010.01	LANES .BAS	6K	xx xx	Interstellar commerce game - Microsoft BASIC
010.02	JOURNAL .BAS	17K	xx xx	Computer journal resource library
010.04	BLACKBOX.BAS	3K	xx xx	Microsoft BASIC game
010.05	BOGGLE .BAS	1K	xx xx	Microsoft BASIC game
010.06	GAMMON .H19	11K	xx xx	Backgammon for H19 terminal -Microsoft BASIC
010.07	NIM1 .H19	8K	xx xx	Microsoft BASIC game for Heath terminal
010.08	OTHELLO .H19	5K	xx xx	Microsoft BASIC game for Heath terminal
010.09	STARWAR2.H19	12K	xx xx	Microsoft BASIC game for Heath terminal
010.13	NSCPM48 .ASM	22K	xx xx	Run North Star BASIC under CP/M
010.14	NSCPM48 .DOC	8K	xx xx	Run North Star BASIC under CP/M
010.15	RETURN48.COM	1K	xx xx	Run North Star BASIC under CP/M
013.20	LOOPBAK1.BAS	2K	xx xx	PMMI loop back test
014.08	MBASIC .HLP	21K	xx xx	HELP system - Microsoft BASIC
014.09	CBASIC .HLP	14K	xx xx	HELP system - CBASIC
014.10	EBASIC .HLP	12K	xx xx	HELP system - BASIC-E
014.11	CBASIC2 .HLP	22K	xx xx	HELP system - CBASIC-2
026.04	EL-E .BAS	18K	xx xx	Electrical engineering/design system
026.07	QSO .BAS	1K	xx xx	Ham notebook - CBASIC
026.08	QSOEDIT .BAS	4K	xx xx	EDIT for ham notebook
026.09	QSOMERGE.BAS	2K	xx xx	MERGE for ham notebook
026.10	QSOFIND .BAS	1K	xx xx	FIND for ham notebook
026.11	QSOSCAN .BAS	4K	xx xx	SCAN for ham notebook
026.12	QSOLIST .BAS	1K	xx xx	LIST for ham notebook
026.24	XEDIT .BAS	3K	xx xx	Simple MAIL label system - data entry EDITor
026.26	XMERGE .BAS	2K	xx xx	File MERGE - MAIL label system
026.28	XSCAN .BAS	2K	xx xx	Delete items from master MAIL list
026.30	XEXTRACT.BAS	2K	xx xx	EXTRACT items from master MAIL list
026.32	XLIST .BAS	1K	xx xx	LIST items from master MAIL list
026.34	XLABELS .BAS	2K	xx xx	MAIL LABEL print
026.36	XFIND .BAS	1K	xx xx	Query of master MAIL list
026.38	XTEL .BAS	1K	xx xx	Query by TELEphone number
031.02	STAR .BAS	5K	xx xx	Reads and prints data from STAR catalog
031.03	STARVAL .BAS	4K	xx xx	STAR database validation routine
040.03	UMAP .BAS	6K	xx xx	MBASIC variable MAPper
040.04	UMAP .DOC	2K	xx xx	Documentation for MBASIC variable MAPper
040.05	UMAP-SUB.DOC	2K	xx xx	MBASIC variable MAPper subroutine
040.08	CHARFREQ.BAS	2K	xx xx	CHARacter FREQuency analysis
040.09	XFERTIME.BAS	2K	xx xx	File transfer TIME program for RCPM
042.05	MTX .ASM	36K	xx xx	File access - Pertec MTX BASIC and CP/M
042.06	MTX .COM	5K	xx xx	File access - Pertec MTX BASIC and CP/M
042.07	MTX2000 .ASM	36K	xx xx	File access - double dens. MTX BASIC & CP/M
042.08	MTX2000 .COM	5K	xx xx	File access - double dens. MTX BASIC & CP/M
052.04	CATALIST.BAS	8K	xx xx	LISTs contents of CPMUG and SIG/M volumes
052.06	SCATPAD .BAS	2K	xx xx	PADs spaces for fixed length records
052.10	TestProt.BAS	1K	xx xx	Sample 'P'rotected file
052.11	UN .COM	5K	xx xx	un'P'rotect MBASIC programs
059.03	CORE1 .	13K	xx xx	CORE image that results from compiling PBASE
059.05	PBASE .	17K	xx xx	PISTOL source to educate PISTOL.COM
061.29	STRIP .BAS	3K	xx xx	Utility to make DEDIT smaller
070.01	A-NEW .NBP	3K	xx xx	NorthStar BASIC programs
070.02	BOMBER .NBP	3K	xx xx	NorthStar BASIC game
070.03	BOXING .NBP	3K	xx xx	NorthStar BASIC game
070.04	DECISION.NBP	5K	xx xx	NorthStar BASIC game
070.05	DEPTHCHG.NBP	2K	xx xx	NorthStar BASIC game

070.06	DRUNK	.NBP	4K	xx	xx	NorthStar	BASIC	game
070.07	ELIZA	.NBP	7K	xx	xx	NorthStar	BASIC	game
070.08	ENTERPRI	.NBP	7K	xx	xx	NorthStar	BASIC	game
070.09	GROWTH	.NBP	4K	xx	xx	NorthStar	BASIC	program
070.10	HDSUB	.NBP	1K	xx	xx	NorthStar	BASIC	program
070.11	HEXDEC	.NBP	2K	xx	xx	NorthStar	BASIC	program
070.12	INDEX	.NBP	1K	xx	xx	NorthStar	BASIC	program
070.13	INTEREST	.NBP	2K	xx	xx	NorthStar	BASIC	program
070.14	LOANPAY1	.NBP	3K	xx	xx	NorthStar	BASIC	program
070.15	MICKEY	.NBP	4K	xx	xx	NorthStar	BASIC	program
070.16	NAVAID1	.NBP	2K	xx	xx	NorthStar	BASIC	program
070.17	NBP	.HLP	2K	xx	xx	NorthStar	BASIC	read me-for-help file
070.18	PEANUTS	.NBP	4K	xx	xx	NorthStar	BASIC	program
070.19	PLOT	.NBP	1K	xx	xx	NorthStar	BASIC	program
070.20	PRIME	.NBP	1K	xx	xx	NorthStar	BASIC	program
070.21	QUBIC	.NBP	7K	xx	xx	NorthStar	BASIC	game
070.22	RECURSIV	.NBP	10K	xx	xx	NorthStar	BASIC	program
070.23	STARLANE	.NBP	13K	xx	xx	NorthStar	BASIC	game
070.24	STARTRE\$.NBP	12K	xx	xx	NorthStar	BASIC	game
070.25	STORY	.NBP	2K	xx	xx	NorthStar	BASIC	program
070.26	TIME	.NBP	2K	xx	xx	NorthStar	BASIC	program
070.27	TIMEPRNT	.NBP	1K	xx	xx	NorthStar	BASIC	program
070.28	UFO	.NBP	8K	xx	xx	NorthStar	BASIC	game
073.01	CMD	.ASM	4K	xx	xx	Pass CP/M command line to BASCOM		
073.02	COMMAND	.BAS	1K	xx	xx	Test program for CMD.ASM		
073.09	DLABEL	.BAS	4K	xx	xx	Print disk LABELs		
073.15	MAPTEST	.BAS	1K	xx	xx	TEST program for MAP		
074.05	CLOCK-CB	.BAS	8K	xx	xx	CB-80 Godbout SS1 CLOCK		
074.06	CLOCK-M	.BAS	7K	xx	xx	MBASIC Godbout CLOCK		
074.15	DIARY	.BAS	8K	xx	xx	CBASIC diary program		
074.19	FPROD	.BAS	8K	xx	xx	Frequency PRODUcts for RF engineers		
074.20	FPROD1	.BAS	8K	xx	xx	Frequency PRODUcts for RF engineers		
074.23	KEYPAD	.BAS	1K	xx	xx	Programs KEYPad on ADM-31, allows strings		
074.34	UCASE	.BAS	1K	xx	xx	MBASIC Upper CASE conversion		
075.04	FFT	.BAS	4K	xx	xx	Fourier transform		
075.19	PULSE12	.BAS	1K	xx	xx	Use with FFT.BAS		
075.20	PULSE25	.BAS	1K	xx	xx	Use with FFT.BAS		
075.22	SEARCH	.BAS	3K	xx	xx	Magazine library SEARCH		
075.24	SINE1010	.BAS	1K	xx	xx	Use with FFT.BAS		
076.32	SDIR	.BAS	3K	xx	xx	MBASIC DIR sort		
078.01	BENCHMK	.BAS	2K	xx	xx	Benchmark test in BASIC		
078.06	BIGTIME	.BAS	15K	xx	xx	Adds video controls		
078.07	CALENDAR	.BAS	2K	xx	xx	Calendar generator		
078.21	FPRIME	.BAS	1K	xx	xx	MBASIC prime number benchmark		
078.27	MXREF	.BAS	6K	xx	xx	MBASIC cross REF utility		
078.30	SURVIVAL	.BAS	16K	xx	xx	CBASIC2 SURVIVAL game		
078.31	SURVIVAL	.OBJ	19K	xx	xx	CBASIC2 game		
083.11	TTHelp0	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.12	TTHelp1	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.13	TTHelp2	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.14	TTHelp3	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.15	TTHelp4	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.16	TTHelp5	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.17	TTKEYBD	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.18	TTYPE	.BAS	22K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.19	TTYPE	.OBJ	22K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.20	TTYPE	.DOC	19K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.21	TTYPE	.WST	20K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.22	TTYPEXA	.DAT	1K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.23	TTYPEXB	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.24	TTYPEXC	.DAT	3K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.25	TTYPEXD	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.26	TTYPEXE	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.27	TTYPEXF	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.28	TTYPEXG	.DAT	2K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		
083.29	TTYPEXH	.DAT	3K	xx	xx	TouchTyping Tutor in MBASIC for ADM-31		

083.30	TTYPEXI .DAT	3K	xx xx	TouchTyping Tutor in MBASIC for ADM-31
083.31	TTYPEXJ .DAT	3K	xx xx	TouchTyping Tutor in MBASIC for ADM-31
084.05	ENTRBBS .BAS	24K	xx xx	!
084.06	EXITRBBS .BAS	7K	xx xx	!
084.11	MINIRBBS .BAS	30K	xx xx	/
084.12	RBBSUTIL .BAS	13K	xx xx	/
087.01	THEFED .TXT	3K	xx xx	CBASIC version of model
92.12	RBSUTL31 .BAS	10K	xx xx	/
110.02	ACG .DBF	5K	xx xx	demonstration dBASEII modular data
110.03	ADD .ACG	3K	xx xx	base. To initiate, type "dBASE main"
110.31	DBDIR .DOC	1K	xx xx	Example of ASM file in dBASE for
110.33	FORM .CMD	2K	xx xx	Prints dBASE fields and
110.37	POKE1 .CMD	4K	xx xx	Poke memory from dBASE
110.39	SHOWMEM .CMD	5K	xx xx	Displays memory from dBASE
112.10	RBSCLOCK .BAS	3K	xx xx	
113.10	PCKEXE .BAS	2K	xx xx	
113.12	PCKGET .BAS	2K	xx xx	
114.17	PBASE2 .	23K	xx xx	!
116.16	TARGET .BAS	9K	xx xx	Microsoft Basic game
117.01	CATXRF11 .BAS	4K	xx xx	Update for master catalog system prints
123.04	INKEY .REL	1K	xx xx	Inkey improvement for BASCOM
129.	ABSTRACT.129			dBASEII ORDER AND INVENTORY PROGRAM
129.01	DB2SIG/M.LBR	180K	xx xx	A complete dBASEII (TM) order
				FASTBASE (TM) search program which
130.21	BYECMD .BAS	4K	xx xx	exit program
130.23	CNFG1 .BAS	8K	xx xx	sysop's system configuration program 2
130.24	COMGR .BAS	10K	xx xx	sysop's comments manager program
130.25	COMPILE .SUB	1K	xx xx	submit file for compiling a .BAS file
130.26	CONFIG .BAS	21K	xx xx	sysop's system configuration program
130.28	CONVRBB .BAS	18K	xx xx	program to convert RBBS files
130.31	FINISH .BAS	6K	xx xx	exit program
130.35	MFIL .BAS	2K	xx xx	program to make necessary data files
130.36	POSYS .BAS	18K	xx xx	sysop's general utility
130.40	SIGNON .BAS	16K	xx xx	main program
130.46	TOS .BAS	3K	xx xx	time on system program
130.48	USRMaint .BAS	9K	xx xx	sysop's user file maintenance program
132.21	ROTATE .BAS	3K	xx xx	letter game
133.03	BASICOPS .PAS	23K	xx xx	extended precision floating point
135.18	PCAT .BAS	6K	xx xx	Hardcopy catalog in master catalog system
135.19	POKER .BAS	12K	xx xx	Beats you every time
136.10	LIFSCORE .BAS	17K	xx xx	How long to go
139.06	UN-PROT .BAS	2K	xx xx	Fix for Apple for UN.COM
142.01	ALMAZAR .BAS	2K	xx xx	Adventure game from Micro-80
142.05	SFALDES .BAS	7K	xx xx	/
142.06	SFAMAIN .BAS	15K	xx xx	/
142.08	SFAMOVE .BAS	2K	xx xx	/
142.10	SFAOBDES .BAS	2K	xx xx	/
142.12	SFARESP .BAS	5K	xx xx	/
142.14	SFAVOC .BAS	1K	xx xx	/
142.15	AUSOPOLY .BAS	28K	xx xx	English/Australian of CPMUG game
142.16	BACARRAT .BAS	4K	xx xx	Osborne MBASIC game
142.18	BLAKJACK .BAS	12K	xx xx	Osborne MBASIC game
142.21	GOLDMINE .BAS	8K	xx xx	MBASIC game
142.22	KPRO2-SW .BAS	10K	xx xx	Spacewar game for Kaypro 2, MBASIC
142.26	OZDOT .BAS	8K	xx xx	Osborne version of DOTS
142.30	SPACEWAR .BAS	11K	xx xx	Osborne MBASIC game
142.31	YKW1 .BAS	2K	xx xx	"My other computer is an IBM" for Osborne
142.32	YKW2 .BAS	2K	xx xx	"My other computer is an IBM" for ADM-31
143.01	ATTEN .BAS	3K	xx xx	Electronic attenuator design utility
143.02	DEPREC .BAS	3K	xx xx	Depreciation schedult
147.03	CALENDR5 .BAS	?K	xx xx	Calculate times,
147.26	RSJ .BAS	4K	xx xx	Series of time and date programs for
155.				dBASEII (TM) Programs and Information
155.24	OFFBASE .CMD	2K	xx xx	Atlanta Data Base Users
155.36	MAIN .INV	4K	xx xx	dBASEII version 2.4 and
155.40	DBOX .ART	4K	xx xx	Dual Data Bases and dBASEI

155.41	VALIDATE .TST	3K	xx xx	dBASE date validation program
163.01	BIBBLD .BAS	6K	xx xx	Bibliographic search database
163.02	BIBLIO .BAS	3K	xx xx	which tells the degree to which
163.03	BIBSR2 .BAS	7K	xx xx	various articles meet your re-
163.04	BIBSRCH .BAS	5K	xx xx	quirements. See BYTE, March 1983
163.05	CMPRBIB .BAS	2K	xx xx	/
163.06	PARMS .BAS	4K	xx xx	/
163.07	VOCBLD .BAS	6K	xx xx	/
163.08	VOCCLST .BAS	2K	xx xx	/
163.09	CBAS .TST	1K	xx xx	Test MEMTEST function in CBASIC
163.10	CBASTEST .ASM	1K	xx xx	/
163.11	TEST .BAS	1K	xx xx	/
163.16	CREATE .BAS	8K	xx xx	Creates CBASIC data file
163.17	DIR .BAS	11K	xx xx	Call directory in CBASIC
163.18	DIRECTIO .BAS	1K	xx xx	Direct console I/O
163.19	DOW .BAS	1K	xx xx	Day of Week
163.20	FINDCTL .BAS	1K	xx xx	Gives track and sector info
163.21	GNMENU .BAS	5K	xx xx	Skeleton database for use with
163.24	GNREPORT .BAS	4K	xx xx	/
163.27	GNSCREEN .BAS	5K	xx xx	/
163.32	GRABCOM .BAS	1K	xx xx	Demo of GET command in CBASIC
163.34	NADMAIL .BAS	4K	xx xx	with mailing labels
163.35	NADMENU .BAS	8K	xx xx	/
163.36	NADREPT .BAS	5K	xx xx	/
163.37	NADSCRN .BAS	6K	xx xx	/
163.38	POKEHI .BAS	1K	xx xx	Deprotects MBASIC programs
163.39	PRBLM001 .TXT	2K	xx xx	Common statement CBASIC bug
163.41	SLEUTH .BAS	5K	xx xx	XREF program
181.14	MXPLOT .BAS	14K	75 3A	Plotter for MX-80
182.08	TAG-CPM .LBR	14K	7E 6B	Modem RR traffic system, MSBASIC
184.14	Z3BASE1 .LQB	6K	1A FC	
184.15	Z3BASE2 .LQB	6K	0B 15	
193.04	HEX2DATA .BAS	3K	EF 71	turns hex file into basic data statements
194.06	FILLS .BAS	1K	9D A2	MBASIC demo of stipple patterns
194.10	GRAPH .BAS	9K	B5 4F	MBASIC plot package
194.11	HANDPLOT .BAS	22K	93 B2	Demonstration program
194.12	TEST .BAS	2K	D6 EF	MBASIC example program
194.14	UPLOAD .BAS	10K	D0 93	MBASIC demo-stipple pattern redefinition
198.09	INIT .ACC	4K	A5 15	Required dBASEII (TM) version 2.4. To run
198.12	JOURP .ACC	18K	A8 2C	all files on one disk with dBASE program
198.13	MAIN .ACC	5K	6C C6	and type 'DBASE MANAGE' (or DBASE ACCOUNT
198.16	MAINTAIN .BLD	15K	87 2F	dBASE on a separate disk and set default
199.24	ADD .ACG	8K	9F 6F	for use with dBASEII (TM) version 2.4.
199.46	PHONE .NDX	1K	C9 45	dBASEII (TM)
204.04	BASIC .BQK	5K	1B 94	BASIC compiler in F83
205.04	BASIC .BQK	5K	1B 94	BASIC compiler in F83
209.04	HEADER6 .BAS	10K	59 EC	prints a LARGE heading - neat!
217.17	FUNCLIB .CMD	5K	BD AE	dBASEII toolkit library
221.01	DBASEMPM .LBR	4K	4C AF	MP/M dBASE setup programs
221.04	NEWBASE5 .LBR	10K	8B 76	dBASE patches
223.01	DBIIDATE .PRG	2K	60 3D	Sets date in DBASEII - NEC APC
223.03	FREEBASE .LBR	19K	88 9E	Data base program
227.01	CHECKS .LBR	60K	45 AA	checkbook program in dBASEII
227.02	CHURCH .LBR	60K	F6 98	church Management program in dBASEII
227.03	GENEOLGY .LBR	75K	B0 A0	genealogy program in dBASEII
231.03	EXTEND .LBR	11K	80 8F	Assembly Language Extensions for MS BASIC
233.08	UDMAUTOD .BAS	5K	43 EA	BASIC auto dialer for Modem Tech UDM1200
234.04	CURVFIT .LBR	38K	24 CD	Curve fitting in MBASIC
235.02	BASICODE .DOC	16K	B7 AC	Documentation on BASICODE (in Dutch)
235.03	BASICODE .ENG	3K	B4 A7	Brief intro to BASICODE (in English)
235.04	BC2 .BQS	2K	27 C8	"Standard" BASICODE-2 for MBASIC
235.05	BC2 .OSB	2K	2B 1D	"Osborne" BASICODE-1 for Osborne 1
235.06	BC2 .OSI	2K	D8 69	"Ohio Scientific" BASICODE-2
235.07	BCREAD .AQM	8K	75 A2	Read BASICODE-2 in from parallel port
235.08	BCTEST .AQM	4K	77 7C	Test program for BASICODE-2 port transfer
235.09	BCWRIT .AQM	8K	E7 4E	Write out BASICODE-2 program standard

235.10	BCWRITE .AQM	8K	87 D9	Write out BASICODE program, (BASICODE-1?)
235.11	BOKA&EI .BQS	6K	77 2E	BASICODE-2 Tic Tac Toe, in Dutch
235.12	CONVERT .BQS	4K	FE 82	CBASIC source for BASICODE-2/MBASIC xlate
235.13	CONVERT .COM	13K	67 B5	Converts from BASICODE-2 to Microsoft BASIC
235.14	DELEERS .BQS	10K	A9 BE	BASICODE-2 game of some sort, in Dutch
235.15	DIGIKLOK.BQS	4K	82 2F	BASICODE-2 on screen digital clock
235.16	FEESTEN .BQS	4K	9D 98	BASICODE-2 shows public holidays, any year
235.19	KALFEEST.BQS	6K	9E A3	BASICODE-2 calendar for any month & year
235.21	MASSA .BQS	4K	76 3E	BASICODE-2 demo program, in Dutch
235.22	SORT .BQS	6K	68 2E	BASICODE-2 sort program, in Dutch
235.23	STELSELS.BAS	4K	64 EE	BASICODE-2 solves 3 order quadratics ?
235.24	TANKIE .BQS	6K	00 9B	BASICODE-2 game, simple ASCII graphics
235.25	TESTBC2 .BQS	4K	F4 46	BASICODE-2 test/excerciser program
235.26	TIMER555.BQS	6K	B4 CA	BASICODE-2 designs 555 timer circuits
235.27	UITLEG1 .BQS	6K	6E 8E	Introduction to BASICODE? (in Dutch)
235.28	UITLEG2 .BQS	8K	22 83	See UITLEG1.BAS
240.11	ZBBS .LBR	57K	DB C0	BASIC BBS (Z80) system
243.20	NORMAL2 .BAS	2K	74 82	MBASIC best estimate of the true mean
248.01	DIMS103A.LBR	91K	2B 52	MBASIC data management system
256.07	DIALOG11.BAS	27K	2E BD	script for BBS logon (compiles
256.08	DIALOG11.COM	27K	A7 0B	with BASCOM)

End of SIGM.DIR

276 lines contained the key word: BAS

OK

-CUG-CATALL 57K
CPMUG DIR 110K
SIGM DIR 209K
ZUG DIR 50K

4 file(s).

113 directory entries remaining.

C>STAT P:

Bytes Remaining On P: 68k

C>



CPMUG DIRECTORY vols. 1-91
(as of 2/12/85)

C01	-CATALOG.001	3k	Contents of CP/M Users Group Volume 1
C01	VOLUME1.DOC	3k	Comments on certain Volume 1 programs
C01.01	ASSIGN.ASM	8k	I/O byte assign. Use with VBIOS31
C01.02	CASDSK.ASM	2k	Cassette to disk transfer
C01.03	COPY.ASM	9k	Copy system, data or whole diskette
C01.04	COPY.COM	8k	As ASM, used to copy this disk
C01.05	COPYX.ASM	9k	As copy, uses internal scratch
C01.06	DIABLO.ASM	4k	Romable Hytype/Qume driver
C01.07	DISASSM1.ASM	8k	Christensen disassembler DDJ Feb 77
C01.08	DISASSM2.ASM	4k	Intel library disassembler
C01.09	DISKTEST.ASM	9k	Search for soft and hard disk errors
C01.10	DSKCAS.ASM	2k	Diskette to cassette transfer
C01.11	ED3.ASM	1k	Patches for 'R' bug in CP/M ED.COM
C01.12	EXAM.ASM	7k	Sector viewer for VDM. See DISK1.DOC
C01.13	FILES.COM	1k	Display disk directory records of files
C01.14	GETVEC.LIB	1k	Routine to create BIOS primitive jump
C01.15	HYS13.ASM	4k	Diablo driver for 3P+S in Z80
C01.16	HYS15.ASM	5k	Diablo driver for 3P+S in 8080
C01.17	ICOPY.ASM	7k	Copy a file from ISIS diskette
C01.18	IDIR.ASM	6k	Lists ISIS directory to console
C01.19	LIOS.ASM	7k	CP/M I/O subroutines. See PRINT
C01.20	LTG.ASM	10k	Create MITS self loading cassette tape
C01.21	MAZE.ASM	6k	Intel maze program
C01.22	MEMTEST.ASM	4k	Intel RAM test
C01.23	PRINT.ASM	7k	Mod of PRNT to permit conditional
C01.24	PRNT.ASM	5k	Print files with pagination & page #
C01.25	RELOC.ASM	10k	CP/M relocation program
C01.26	RTE.ASM	7k	Intel Real-Time Executive
C01.27	SEDIT.ASM	4k	Symbol table editor of DISASSM1
C01.28	SPACE.ASM	16k	Game
C01.29	SPAT.ASM	8k	Re-write of EXAM to allow writing.
C01.30	TRAIN.ASM	3k	VDM graphic
C01.31	TREAD.ASM	4k	Tape reader to disk transfer
C01.32	VBIOS31.ASM	17k	bios for 32k of memory with VDM
C01.33	VBOOT31.ASM	3k	Cold boot for VBIOS31
C01.34	XSTAT.COM	1k	Similar to STAT. Reports # of files and
C02	-CATALOG.002	1k	Contents of CP/M Users Group Volume 2
C02.01	LLLBASIC.ASM	84k	LLL Basic interpreter source
C02.02	LLLBASIC.COM	38k	Simple patched COM for CP/M
C02.03	LLLBASIC.DOC	2k	Notes on LLL Basic
C02.04	LLLFP.ASM	61k	Floating-point package for LLL Basic
C02.05	LLLMON.ASM	2k	Monitor to test LLL in LLL BASIC.COM
C02.06	STARTREK.DOC	2k	Comments on STARTREK.TBI
C02.07	STARTREK.TBI	6k	Tiny Basic loadable Startrek
C02.08	TINYBAS.COM	3k	Wang Palo Alto TB w/disk save & load
C02.09	TINYBAS.DOC	13k	Full instructions for TINYBAS
C03	-CATALOG.003	3k	Contents of CP/M Users Group Volume 3
C03	VOLUME3A.DOC	8k	Comments on some programs
C03	VOLUME3B.DOC	3k	Comments on other programs
C03.01	ACE.BAS	2k	Basic-E game program
C03.02	AMAZE.BAS	4k	Basic-E game program
C03.03	ANIMAL.BAS	2k	Basic-E game program
C03.04	BAGELS.BAS	2k	Basic-E game program
C03.05	BAGELS2.BAS	6k	Basic-E game program
C03.06	BIOPRINT.BAS	7k	Basic-E game program
C03.07	BLKFRI.BAS	11k	Basic-E game program
C03.08	BLKFRI2.BAS	10k	Basic-E game program
C03.09	CANNONS.BAS	6k	Basic-E game program
C03.10	CHASE.BAS	3k	Basic-E game program
	COMP.BAS	2k	Basic-E game program

C03.12	COMBINE.BAS	1k	Basic-E game program
C03.13	CORE.BAS	1k	Basic-E game program
C03.14	CORETEST.BAS	1k	Basic-E game program
C03.15	CRAPS.BAS	4k	Basic-E game program
C03.16	EUCLID.BAS	1k	Basic-E game program
C03.17	FIB.BAS	1k	Basic-E game program
C03.18	FIT.BAS	1k	Basic-E game program
C03.19	FORMAT.BAS	4k	Basic-E game program
C03.20	FORMAT.FMI	1k	Instructions for FORMAT.BAS in
C03.21	HANG.BAS	5k	Basic-E game program
C03.22	HELLO.BAS	5k	Basic-E game program
C03.23	KENO.BAS	7k	Basic-E game program
C03.24	LANDER.BAS	5k	Basic-E game program
C03.25	LANES.BAS	8k	Basic-E game program
C03.26	LEM.BAS	7k	Basic-E game program
C03.27	LOAN.BAS	3k	Basic-E game program
C03.28	LOVE.BAS	2k	Basic-E graphic
C03.29	PLOT2.BAS	2k	Basic-E game program
C03.30	POET.BAS	4k	Basic-E game program
C03.31	README.FMI	6k	Another format source with notes
C03.32	S/TREK.BAS	5k	Basic-E game program
C03.33	STARS.BAS	4k	Basic-E game program
C03.34	STARTREK.BAS	27k	Basic-E game program
C03.35	STORY.BAS	7k	Basic-E game program
C03.36	STRIKE9.BAS	4k	Basic-E game program
C03.37	TREKINST	7k	Instructions for STARTREK.BAS
C03.38	TTT.BAS	7k	Basic-E game program
C03.39	WUMPUS.BAS	9k	Basic-E game program
C04	-CATALOG.004	2k	Contents of CP/M Users Group Volume 4
C04	VOLUME4.DOC	2k	Comments on programs
C04.01	ACT.DOC	16k	Actor manual
C04.02	ACT31.COM	11k	Latest Actor interpreter
C04.03	ACT31UC.COM	11k	Latest upper-case Actor interpreter
C04.04	AMAZE	2k	Actor program
C04.05	AMUSE	1k	Actor program
C04.06	CALENDAR.COM	16k	Obj of CALENDAR.FOR and NUMBER.MAC
C04.07	CALENDAR.FOR	4k	Fortran main and sub-programs
C04.08	FDL	6k	Actor program - careful with this!
C04.09	HAIKU	2k	Actor program
C04.10	IOEXAMP	3k	Actor program
C04.11	L81.COM	11k	ML80 module - see .DOC
C04.12	L82.COM	11k	ML80 module - see .DOC
C04.13	L83.COM	5k	ML80 module - see .DOC
C04.14	M81.COM	10k	ML80 module - see .DOC
C04.15	MAZE.COM	20k	Object of MAZE.FOR and RND.FOR
C04.16	MAZE.FOR	5k	Source of MAZE.COM main
C04.17	ML.SUB	1k	SUBMIT file to run ML80 source
C04.18	MLCOPY.SUB	1k	SUBMIT file to xfer ML80 group via PIP
C04.19	NUMBER.MAC	2k	Calendar title generator
C04.20	RND.FOR	1k	Sub-program of MAZE
C04.21	WDIR.COM	1k	Object of WDIR.M80 (try it!!)
C04.22	WDIR.M80	3k	ML80 source for WDIR.COM
C04.23	XDIR.COM	1k	Object of XDIR.M80 (try it!!)
C04.24	XDIR.M80	4k	ML80 source for XDIR.COM
C04.25	Z-LCTOUC.ACT	2k	Converts std Actor to ACTUC char set
C05	-CATALOG.005	2k	Contents of CP/M Users Group Volume 5
C05	VOLUME5.DOC	1k	Comments on programs
C05.01	21.ASC	8k	Microsoft Basic program
C05.02	BAS2-0.COM	12k	Basic-E compiler
C05.03	BAS2-1.COM	12k	Basic-E compiler
C05.04			<deleted>
C05.05	BIO-FF.ASC	5k	Microsoft Basic program
C05.06	BIORYTH.ASC	4k	Microsoft Basic program
	BLKFRI2.ASC	10k	Microsoft Basic program

C05.08			<deleted>
C05.09	DECISION.ASC	2k	Microsoft Basic program
C05.10			<deleted>
C05.11	EDTEXT.ASC	6k	Microsoft Basic program
C05.12	FORMAT.ASC	2k	Microsoft Basic program
C05.13			<deleted>
C05.14	OTHELLO.BAS	16k	Basic-E game program
C05.15	OTHELLO.DOC	5k	instructions for OTHELLO.BAS
C05.16	RADIX.ASC	2k	Microsoft Basic program
C05.17	RECOVERY.ASC	1k	Microsoft Basic program
C05.18	RUN2-2.COM	12k	Basic-E interpreter
C05.19	RUN2-3.COM	12k	Basic-E interpreter
C05.20	RUNK2-0.COM	12k	Basic-E interpreter
C05.21	SLOT.ASC	4k	Microsoft Basic program
C05.22	SORT.ASC	2k	Microsoft Basic program
C05.23	STARTREK.ASC	7k	Microsoft Basic program
C05.24	SUPTRK3.ASC	14k	Microsoft Basic program
C05.25			<deleted>
C06	-CATALOG.006	2k	Contents of CP/M Users Group Volume 6
C06	EDVDM.DOC	1k	ED.COM patch - change #lines in P cmd
C06	EXPLAIN.DOC	4k	Comments on certain programs
C06	MAILLIST.DOC	19k	Documentaion on CACHE maillist pgrms
C06.01	BLOAD.ASM	6k	Tarbell tape MITS Basic CSAVE to ASCII
C06.02	CCOS1.ASM	34k	CACHE cassette operating system
C06.03	CKSUM.ASM	2k	Checksums CP/M files
C06.04	COMPARE.ASM	5k	Compares two CP/M files
C06.05	CUTTER.ASM	15k	Seems to be VDM to cassette program
C06.06	IDUMP.ASM	3k	Interpreted file dump
C06.07	MAINT.BAS	9k	Maillist module
C06.08	MODEM.ASM	13k	Program to send and receive files
C06.09			<deleted>
C06.10	PREFMT.BAS	1k	Maillist module
C06.11	PURGE.ASM	3k	Diskette directory purge
C06.12	QUICKIE.BAS	1k	Maillist module
C06.13	REPORT.BAS	8k	Maillist module
C06.14	SIZE.ASM	6k	Gives size of CP/M file
C06.15	SLOAD.ASM	5k	Loader module of CCOS1
C06.16	SORT.ASM	7k	Maillist module
C06.17	TISQ.ASM	4k	Times Square (newscaster) chrs to VDM
C06.18	TLOAD.ASM	5k	Tarbell loader for TSAVE'd files
C06.19	TMAP.ASM	2k	Map of tape with TSAVE'd files
C06.20	TSAVE.ASM	5k	CP/M file to Tarbell tape with checksum
C06.21			<deleted>
C07	-CATALOG.007	1k	Contents of CP/M Users Group Volume 7
C07	VOLUME7.DOC	1k	Comments
C07.01	PILOT	6k	Loaded MDS object
C07.02	PILOT.ASM	66k	PILOT source
C07.03	PILOT.LST	135k	MDS assembler listing w/ xref tables
C07.04	PILOT.OBJ	6k	Relocatable MDS object
C08	-CATALOG.008	4k	Contents of CP/M Users Group Volume 8
C08.01	ALLOC.COM	1k	Graphic display of disk usage
C08.02	BANNER.ASM	6k	Puts large letters to LST: or PUN:
C08.03	BINLOAD1.ASM	7k	Read disk data from absolute sectors
C08.04	BIOSGO.LIB	2k	Places dummy BIOS where needed (#1.14)
C08.05	BPNF.ASM	2k	Pgrm to punch standard BPNF PROM tape
C08.06	BSPAT16B.ASM	2k	Patch to permit <BS> (ctl-H) to echo
C08.07	BYTEMOV.ASM	4k	Bytesaver PROM burning program
C08.08	DDTPATCH.ASM	2k	Patch corrects assembler errors in DDT
C08.09	DISKUP.ASM	9k	This is another disk copying program.
C08.10	DISKIN.LIB	2k	Reads single characters from disk files
C08.11	DISKTES1.ASM	7k	General disktest (see C01.9)
C08.12	DIVIDE1.LIB	1k	Routine to divide 2 byte by 1 byte
	DSKDIR.ASM	17k	Gives # of records extents etc.

C08.14	FMAP.ASM	8k	Reads records, clusters, makes file
C08.15	FORMAT1.ASM	4k	Formatter for Tarbell controller
C08.16	GO.ASM	2k	say "GO FFOO" and as if by magic....
C08.17	INNUM1.LIB	2k	Variable radix number input routine.
C08.18	MAC4.ASM	9k	Patches: TDL Macros assembler
C08.19	MAKEFCB.LIB	3k	Routine to create FCB's
C08.20	MPY8.LIB	1k	Two byte by one byte multiply
C08.21	OUTNUM1.LIB	2k	Output a two byte number in any radix
C08.22	PBURN.ASM	2k	Bytesaver prom burner (see C08.7)
C08.23	PRINT2.ASM	10k	Revision of C01.24 for Diablo
C08.24	RECSEC.LIB	1k	Translate CP/M record (group-cluster)
C08.25	SYMPRT.ASM	4k	Print symbol table fm Basic-E compiler
C08.26	WYLECON2.LIB	2k	Routine to translate Wyle keyboard
C08.27	XREF.ASM	20k	Create X-ref table from Intel assembler
C08.28	XSTAT2.ASM	6k	Source of C01.34 plus guessed routines

C09	-CATALOG.009	1k	Contents of CP/M Users Group Volume 9
C09.01	COPCON.ASC	2k	G/L program
C09.02	COPRAN.ASC	2k	G/L program
C09.03	GETPUT.ASC	3k	G/L program
C09.04	GL1.ASC	7k	G/L program
C09.05	GL2.ASC	16k	G/L program
C09.06	GL3.ASC	4k	G/L program
C09.07	GL4.ASC	4k	G/L program
C09.08	GL5.ASC	6k	G/L program
C09.09	GL6.ASC	7k	G/L program
C09.10	GL7.ASC	13k	G/L program
C09.11	GLMENU.ASC	3k	G/L program
C09.12	SORTGL.ASC	7k	G/L program

C10	-CATALOG.010	1k	Contents of CP/M Users Group Volume 10
C10	LLLBASIC.DOC	4k	Comments on programs in Volume 10
C10.01	LLLBASIC.ASM	85k	See LLLBASIC.DOC
C10.02	LLLBASIC.COM	7k	Total assembled package
C10.03	LLLFP.ASM	61k	See LLLBASIC.DOC
C10.04	LLLMON.ASM	5k	See LLLBASIC.DOC
C10.05	TEST.FIL	1k	LLLBASIC test program.

C11	-CATALOG.011	1k	Contents of CP/M Users Group Volume 11
C11	VOLUME11.DOC	2k	Comments on contents
C11.01	BASIC/5.ASM	76k	Processor Tech 5k Diskified Basic
C11.02	BASIC/5.COM	8k	5k Basic in 8k (sign of the times)
C11.03	BASIC/5.DOC	7k	CP/M implementation explained
C11.04	STARTREK.TBI	6k	Was also C02.7 see VOLUME11.DOC
C11.05	TINICOPY.SUB	1k	Someone uses the SUBMIT program??
C11.06	TINIDISK.ASM	62k	Source of Tinidisk
C11.07	TINIDISK.COM	3k	Was also C02.8
C11.08	TINIDISK.DOC	13k	Was also C02.9

C12	-CATALOG.012	1k	Contents of CP/M Users Group Volume 12
C12.01	GOLDI.PLT	1k	Source program for ZPILOT
C12.02	HIPILOT.PLT	2k	Source program for ZPILOT
C12.03	PILOT.ASM	67k	Patched version of C07.2
C12.04	PILOT.COM	5k	See PILOT.DOC
C12.05	PILOT.DOC	2k	Description of CP/M implementation
C12.06	PILOT.TST	1k	Source program for PILOT.
C12.07	PMON.ASM	5k	CP/M interface used in PILOT.COM
C12.08	WIERD	1k	WIERD.PLT re-coded for PILOT.COM
C12.09	WIERD.PLT	1k	Source program for ZPILOT
C12.10	ZPILOT.COM	1k	Object of ZPILOT.Z80
C12.11	ZPILOT.Z80	7k	Zilog mnemonic src of PILOT interpreter

C13	-CATALOG.013	2k	Contents of CP/M Users Group Volume 13
C13.01	15/PUZ.ASC	7k	Microsoft Basic game
C13.02	1500.ASC	7k	Microsoft Basic game
	2111.CH.BAS	2k	Basic-E/CRASC game

C13.04	BAGELS.BAS	3k	Basic-E/CBASIC game
C13.05	BIORYME.ASC	4k	Microsoft Basic game
C13.06	BLACKJAC.BAS	6k	Basic-E/CBASIC game
C13.07	BULLSEYE.BAS	1k	Basic-E/CBASIC game
C13.08	CHECKERS.BAS	6k	Basic-E/CBASIC game
C13.09	CHIEF.BAS	2k	Basic-E/CBASIC game
C13.10	CONVERT.BAS	2k	Basic-E/CBASIC game
C13.11	DICE.BAS	7k	Basic-E/CBASIC game
C13.12	KINGDOM.BAS	7k	Basic-E/CBASIC game
C13.13			<deleted>
C13.14	NFL.BAS	15k	Basic-E/CBASIC game
C13.15	ROCKET.BAS	4k	Basic-E/CBASIC game
C13.16	RUSSIAN.BAS	1k	Basic-E/CBASIC game
C13.17	SWARMS.BAS	16k	Basic-E/CBASIC game
C13.18	SWARMS2.ASC	16k	Microsoft Basic game
C13.19	TRAP.BAS	2k	Basic-E/CBASIC game
C13.20	WUMPAS.BAS	6k	Basic-E/CBASIC game
C13.21	ZOSO.2	23k	Long winded review of diskette
C14	-CATALOG.014	2k	Contents of CP/M Users Group Volume 14
C14.01	ARTICLE	5k	Text for SECTEST below
C14.02	BCD-DRVR	6k	Convert ASCII to IBM 2470
C14.03	DLDDHI.ASM	5k	High portion of DLOAD - See DOC
C14.04	DLOAD.ASM	5k	MITS 3.2 8k Basic to CP/M w CSAVE/CLOAD
C14.05	DLOAD.DOC	4k	Implementation notes for DLOAD
C14.06	DUMP.COM	3k	Running version of DUMP below
C14.07	DUMP.MAC	23k	Fantastic disk viewer program.
C14.08	LIST32.ASM	5k	Recover ascii from internal MITS form
C14.09	MOVE.ASM	2k	A PIP to xfer files without ^Z problem
C14.10	PUT.ASM	3k	Load a file at any memory address
C14.11	REL1.ASM	10k	Instructive version of RELOC/CPM pgrm
C14.12	REL256.COM	9k	Reloc for integer k-100h system
C14.13	REL512.COM	9k	Reloc for integer k-200h system
C14.14	REL768.COM	9k	Reloc for integer k-300h system
C14.15	RELHOW.DOC	3k	Notes for relocating CP/M Version 1.3
C14.16	SECTEST.BAS	10k	Pgrm to test context comprehension
C14.17	SECTEST.DOC	1k	Bob tells how to use it
C14.18	SEDY.ASM	7k	Disk peeking program.
C14.19	SEDY.COM	2k	Compilation, as C14.18 written for TDL
C15	-CATALOG.015	2k	Contents of CP/M Users Group Volume 15
C15.01	ALLOC.ASM	2k	Source of C08.01 with improvements
C15.02	BEASTIE.ASM	2k	Sol VDM game from Dr. Dobbs
C15.03	CHASE.ASM	8k	Sol VDM game from Dr. Dobbs
C15.04	DUMP.ASM	6k	Kernl utility. See C15.07
C15.05	INIT.ASM	3k	Kernl initiation routine. See C15.07
C15.06	INIT2.ASM	3k	Kernl initiation routine. See C15.07
C15.07	KERNEL.ASM	57K	kernel of Real-Time Interactive
C15.08	MDGCBIOS.ASM	8k	BIOS written in TDL for Tarbell
C15.09	MDGSBOOT.ASM	2k	Boot for C15.05
C15.10	OTHELLO.COM	25k	Running object from C15.11
C15.11	OTHELLO.FOR	12k	Fortran source of board game
C15.12	PRINT3.ASM	16k	Revised C08.23 for command line control
C15.13	PROC1.ASM	1k	Part of KERNEL (C15.07)
C15.14	PROC2.ASM	1k	Part of KERNEL (C15.07)
C15.15	PROC3.ASM	2k	Part of KERNEL (C15.07)
C15.16	PROC4.ASM	1k	Part of KERNEL (C15.07)
C15.17	PROC5.ASM	2k	Part of KERNEL (C15.07)
C15.18	PROC6.ASM	1k	Part of KERNEL (C15.07)
C15.19	PROC7.ASM	2k	Part of KERNEL (C15.07)
C15.20	PROC8.ASM	1k	Part of KERNEL (C15.07)
C15.21	ROMP.ASM	4k	Tarbell tape loader and saver
C15.22	SOLOS.ASM	46k	Sol Operating System from ACCESS
C15.23	TARGET.ASM	2k	Sol VDM Game by george W. Rompot
C15.24	TLOAD.ASM	6k	Re-write of C06.18 - documented
	SAVE.ASM	5k	Re-write of C06.20 - documented

C16	-CATALOG.016	2k	Contents of CP/M Users Group Volume 16
C16	VOLUME16.DOC	7k	Comments on certain programs
C16.01	ASMX.COM	9k	Assembler which recognizes Z-80 ops
C16.02	COPYDSK.ASM	12k	Disk copy program. See VOLUME16.DOC
C16.03	COPYDSK.MAC	13k	As C16.02 for TDL assembler
C16.04	CPMUTIL.ASM	7k	CP/M subroutines useful generally
C16.05	EDIT.COM	3k	Intel-like editor. Faster than ED.COM
C16.06	EDUCATOR.ASM	8k	8080 instruction set tutor from Byte
C16.07	FOCAL.ASM	57k	Focal language interpreter.
C16.08	MACASM.COM	8k	Macro assembler. See VOLUME16.DOC
C16.09	MOVDOWN.ASM	2k	Load file operating below 100H
C16.10	SEEK.ASM	2k	Set disk track from front panel
C16.11	SPAT1.ASM	9k	Re-write of C01.29 to generalize console
C16.12	TASMIO.DOC	2k	Patch: TDL tape assembler to CP/M
C16.13	TASMIO.HEX	3k	See TASMIO.DOC
C16.14	TASMIO.MAC	18k	See TASMIO.DOC
C16.15	TEST1A.ASM	3k	Successful test for Z80ASM C16.17
C16.16	TEST2.ASM	1k	Unsuccessful test for Z80ASM C16.17
C16.17	Z80ASM.COM	9k	Zilog mnemonic assembler. Runs on 8080
C16.18	Z80DOC.DOC	4k	DOC for C16.17
C16.19	Z80MAIN.ASM	28k	Source for C16.17
C16.20	Z80OPCDS.ASM	4k	Op codes for C16.17
C16.21	Z80SUBS.ASM	11k	Subroutines for C16.17

C17	-CATALOG.017	1k	Contents of CP/M Users Group Volume 17
C17	VOLUME17.DOC	3k	Comments on certain programs
C17.01	3DTICTAC.ASM	13k	Game not yet patched to CP/M
C17.02	CROROS.ASM	50k	Cromemco Resident Operating System
C17.03	DENVBAS.ASM	16k	Denver Tiny Basic from Dr. Dobbs
C17.04	DISASM.COM	6k	Revision of Intel disassembler
C17.05	DISPLAY.ASM	6k	Part of space game. See VOLUME17.DOC
C17.06	FUNCTION.ASM	6k	Part of space game. See VOLUME17.DOC
C17.07	MINOL.ASM	14k	Corrected version of a Tiny Basic
C17.08	NUMS.ASM	2k	Part of space game. See VOLUME17.DOC
C17.09	PROCCALC.ASM	25k	Pro Tech desk calculator package.
C17.10	SPACE.ASM	19k	Part of space game. See VOLUME17.DOC
C17.11	Z80-OPS.ASM	7k	Z-80 mnemonics recognized by ASMX C16.01

C18	-CATALOG.018	1k	Contents of CP/M Users Group Volume 18
C18	VOLUME18.DOC	1k	Comments on certain programs
C18.01	CASUAL.ASM	40k	Casual language from Dr. Dobbs Dec 76
C18.02	FLTARITH.ASM	39k	Section 1 of Intel 8008 math routines
C18.03	FPCONV.ASM	18k	Section 2 of Intel 8008 math routines
C18.04	MATH.ASM	39k	Yale math routines
C18.05	MATH.DOC	2k	Comments on MATH.ASM C18.04
C18.06	MILMON80.ASM	24k	Stand-alone monitor editor assembler
C18.07	PROCSELF.ASM	46k	Software Package #1. No CP/M I/O yet

C19	-CATALOG.019	2k	Contents of CP/M Users Group Volume 19
C19	VOLUME19.DOC	6k	Comments on volume contents
C19.01	ADE.ASM	17k	Absolute disk editor. See VOLUME19.DOC
C19.02	COPY.ASM	6k	Disk copy program. See VOLUME19.DOC
C19.03	CPM.DOC	9k	Imsa's description of CP/M
C19.04	LINK.ASM	21k	Remote computer control via D C Hayes
C19.05	LINK73.ASM	17k	Earlier version of C19.04 for std modem
C19.06	RM80.ASM	60k	Resident PROM monitor. See VOLUME19.DOC
C19.07	RM80.DOC	8k	Comments on RM80 C19.06
C19.08	SAP.ASM	4k	Sorts and packs directory.
C19.09	SCOPY.ASM	8k	Single drive diskette copy pgrm
C19.10	TREAD.ASM	16k	RM80 tape backup utility with C19.11
C19.11	TSAVE.ASM	10k	RM80 tape save utility with C19.10
C19.12	XFER.ASM	9k	File copy pgrm for single disk system

C20	-CATALOG.020	2k	Contents of CP/M Users Group Volume 20
C20	ZOSO.020	12k	Our talented and modest reviewer ...

C20.01	BLACKJAC.BAS	8k	Basic-E/CBASIC game
C20.02	CIVILW.BAS	8k	Basic-E/CBASIC game
C20.03	FOOTBALL.BAS	9k	Basic-E/CBASIC game
C20.04	GOLF.BAS	7k	Basic-E/CBASIC game
C20.05	GUNNER.BAS	3k	Basic-E/CBASIC game
C20.06	LUNAR1.BAS	7k	Basic-E/CBASIC game
C20.07	PINUP.PIC	9k	Picture
C20.08	PINUP1.PIC	18k	Picture
C20.09	POKER.BAS	9k	Basic-E/CBASIC game
C20.10	SNOOPY.PIC	4k	Picture
C20.11	STARTREK.BAS	27k	Basic-E/CBASIC game
C20.12	STMASTER.BAS	57k	Basic-E/CBASIC game
C20.13	STMASTER.DOC	1k	See ZOS0.20
C20.14	STRTRK/1.BAS	33k	Basic-E/CBASIC game
C20.15	TREKINST	7k	See ZOS0.20
C20.16	TWEETY.PIC	7k	Picture

C21	-CATALOG.021	3k	Contents of CP/M Users Group Volume 21
C21	ZOS021.DOC	19k	Unadulterated reviewer comments
C21	ZOS021.TOP	20k	Above for TDL text output processor
C21	TDL.HYP	---	Unsolicited Testimonial

C21.01	ACYDUCY.ASC	3k	Microsoft Basic game
C21.02	APOLLO.ASC	3k	Microsoft Basic game
C21.03	BANNER.ASC	3k	Microsoft Basic game
C21.04	BIO.ASC	4k	Microsoft Basic game
C21.05	BLKFRI3.ASC	10k	Microsoft Basic game
C21.06	BLKJK.ASC	6k	Microsoft Basic game
C21.07	CHASE.ASC	3k	Microsoft Basic game
C21.08	CHESS.ASC	12k	Microsoft Basic game
C21.09	DIAMONDS.ASC	1k	Microsoft Basic game
C21.10	ENTE.ASC	4k	Microsoft Basic game
C21.11	ENTEP.ASC	6k	Microsoft Basic game
C21.12	FURS.ASC	6k	Microsoft Basic game
C21.13	HORSE.ASC	6k	Microsoft Basic game
C21.14	KING.ASC	8k	Microsoft Basic game
C21.15	LANDER.ASC	3k	Microsoft Basic game
C21.16	MANDALA.ASC	2k	Microsoft Basic game
C21.17	MAZE.ASC	4k	Microsoft Basic game
C21.18	ROCKET.ASC	3k	Microsoft Basic game
C21.19	RUSSIAN.ASC	3k	Microsoft Basic game
C21.20	SNOOPY.ASC	4k	Microsoft Basic game
C21.21	STRTRK/2.ASC	21k	Microsoft Basic game
C21.22	STRTRK/3.ASC	20k	Microsoft Basic game
C21.23	TACOS.ASC	1k	Microsoft Basic game
C21.24	TAXMAN.ASC	5k	Microsoft Basic game
C21.25	TRADE.ASC	16k	Microsoft Basic game
C21.26	TRAP.ASC	2k	Microsoft Basic game
C21.27	W/SEARCH.ASC	4k	Microsoft Basic game
C21.28	WARI.ASC	3k	Microsoft Basic game
C21.29	WUMP.ASC	7k	Microsoft Basic game

C22	-CATALOG.022	2k	Contents of CP/M Users Group Vol 22
C22	ZOS0.022	5k	Description and Application Notes
C22.01	BIGTREK.ASC	48k	C22.03 trimmed for TDL disk basic
C22.02	BIGTREK.BAS	39k	Compact version of C22.01 for faster load
C22.03	STARTREK.TXT	54k	Starting point of BIGTREK
C22.04	STRTRK/2.ASC	21k	A second appearance of program C21.21
C22.05	TREKINFO.DOC	5k	Rules & features of STARTREK & BIGTREK
C22.06	TREKMOD.ASC	42k	BIGTREK trimmed for Microsoft Basic

C23	-CATALOG.023	3k	Contents of CP/M Users Group Vol 23
C23	VOLUME23.DOC	2k	Comments on this volume
C23	STOICCPM.DOC	3k	Comments on CP/M STOIC
C23.01	ASSEMBLE.DOC	13k	STOIC 8080 assembler
C23.02	DICT.DOC	8k	STOIC dictionary definitions
C 03	DOT.DOC	8k	STOIC

C23.04	FILES.DOC	9k	STOIC file system doc
C23.05	FLOATPNT.DOC	5k	Floating point doc
C23.06	INTRRPT.DOC	2k	Interrupt handler doc
C23.07	KERNEL.ASM	38k	STOIC kernel with CP/M words in 8080
C23.08	KERNEL.DOC	24k	STOIC kernel doc
C23.09	STOIC.DOC	46k	STOIC concepts and structure
C23.10	STOICBAS.STC	23k	Basic definitions
C23.11	STOICD/A.STC	4k	Graphics for D/A hardware
C23.12	STOICEDT.STC	9k	Editor
C23.13	STOICFFT.STC	3k	Fast Fourier Transform
C23.14	STOICFLE.STC	8k	File system
C23.15	STOICFLT.STC	11k	Floating point package
C23.16	STOICINT.STC	5k	4 byte integer addition
C23.17	STOICITP.STC	3k	Interrupt package
C23.18	STOICMIS.STC	3k	Miscellaneous words
C23.19	STOIC SIN.STC	2k	Integer sine and cosine
C23.20	STOIC SRT.STC	2k	Sort routine
C23B.01	BOOT.ASM	7k	STOIC Bootstrap in 8080 Asembler
C23B.02	BOOT.DOC	2k	BOOT Doc
C23B.03	LOAD.DOC	6k	Info on Loading STOIC as a Stand-alone Sys
C23B.04	STOIC.COM	13k	CP/M STOIC as described in VOLUME23.DOC
C24	-CATALOG.024	2k	Contents of CP/M Users Group Vol 24
C24	VOLUME24.DOC	3k	Comments on programs in Volume 24
C24.01	DUMP.ASM	19k	Revision of C14.07
C24.02	DUMP.COM	3k	Assembly of C24.01
C24.03	MAC40.LIB	3k	Macro library to X-assemble 4004/4040
C24.04	MACRO.LIB	17k	Extensive macro library
C24.05	OPCODE.LIB	3k	Extended register operation macro lib
C24.06	RATFOR.COM	32k	Translate from ratfor to Fortran
C24.07	TAPELIB.COM	5k	Object of C24.09
C24.08	TAPELIB.DOC	12k	Description of C24.09
C24.09	TAPELIB.MAC	37k	Transfer files from disk to tape
C24.10	XDIR.ASM	11k	Directory program giving 3-wide display
C24.11	XDIR.COM	2k	Object of C24.10
C25	-CATALOG.025	3k	Contents of CP/M Users Group Vol 25
C25	VOLUME25.DOC	1k	Comments on Volume 25 contents
C25.01	88-MODEM.DOC	2k	Notes on C25.02 below
C25.02	88-MODEM.ASM	32k	Intelligent terminal pgrm for the IDS88
C25.03	BKSPACE.DOC	3k	Backspace handling in CP/M and Basic
C25.04	FRAGMENT.DOC	4k	Memory mapped video board paging info
C25.05	LETTER.ASM	5k	Personalized Form letter generator
C25.09	DCHAYES.ASM	9k	Program in DCHAYES modem manual
C25.10	DCHDIAG.ASM	7k	Diagnostic for DCHAYES modem
C25.11	MODEM.ASM	13k	Intelligent terminal program from CACHE
C25.12	MODEM.DOC	3k	Documentation for C25.11
C25.13	CBIOS24.ASM	26k	Bios for Tarbell disk controller
C25.14	SBOOT24.ASM	2k	Boot for Tarbell disk controller
C25.15	FBIOS24.ASM	26k	Bios for dual Perci disk controller
C25.16	FBOOT24.ASM	2k	Boot for dual Perci disk controller
C25.17	COPY.ASM	9k	Users' Group C01.03 modified for Tarbell
C25.18	FORMAT.ASM	9k	Disk initialize program for Tarbell
C25.19	TARBELL.DOC	3k	Notes on C25.13 through C25.18
C25.20	NOTES.VAN	3k	CP/M operation & undocumented features
C25.21	CAT.ASM	5k	Master Disk Catalog System program
C25.22	UCAT.ASM	8k	Master Disk Catalog System program
C25.23	QCAT.ASM	5k	Master Disk Catalog System program
C25.24	CATALOG.DOC	7k	Documentation for Master Catalog System
C25.25	STOIC.COM	13k	CP/M STOIC constructed per VOLUME23.DOC
C25.26	BOOT.ASM	7k	STOIC bootstrap in 8080 assembler
C25.27	BOOT.DOC	2k	Boot documentation.
C25.28	LOAD.DOC	6k	Information on loading STOIC
C25.29	STATPCH.ASM	1k	Device name patches for STAT
C25.30	TTYDRV.MAC	3k	TTY drivers from Microsoft Fortran

C26	-CATALOG.026	2k	Contents of CP/M Users Group Volume 26
C26	ZOS026.DOC	32k	Our reviewer's comments on vol 26 & 27
C26.01	BACCRRT.ASC	4k	Microsoft Basic game. See ZOS026.DOC
C26.02	BASEBALL.ASC	14k	Microsoft Basic game
C26.03	BIOCAL.ASC	7k	Biorhythm program. See ZOS026.DOC.
C26.04	BIRTHDAY.ASC	6k	Gives day of week for any date
C26.05	BLACKJCK.ASC	8k	Microsoft Basic game. See ZOS026.DOC
C26.06	BUDGET.ASC	10k	Budget program. See ZOS026.DOC
C26.07	CHASE.ASC	3k	Microsoft Basic game
C26.08	CHESS.ASC	12k	Microsoft Basic game
C26.09	CIVILWAR.ASC	9k	Microsoft Basic game
C26.10	CLIMATES.ASC	6k	Microsoft Basic game
C26.11	CLOUD-9.ASC	6k	Microsoft Basic game
C26.12	CRAPS.ASC	5k	Microsoft Basic game
C26.13	CRAZY-8.ASC	7k	Microsoft Basic game
C26.14	GALAXY.ASC	1k	Microsoft Basic game
C26.15	GALAXY2.ASC	2k	Microsoft Basic game
C26.16	SQUARE.ASC	8k	Microsoft Basic game
C26.17	SWARMS.ASC	16k	Microsoft Basic game
C26.18	WEATHER.ASC	8k	Microsoft Basic game
C26.19	WORD-PLZ.ASC	5k	Microsoft Basic game
C26.20	OTHELLO.FOR	12k	Fortran version of Othello on vol 15.
C26.21	OTHELLO.COM	22k	Executable C26.20
C26.22	CHAIN.ASC	1k	Copy from console to XXX.SUB file.
C26.23	EDITM.FOR	2k	Fortran IV program. Writes M80 PRN file

C27	CATALOG.027	2k	Contents of CP/M Users Group Volume 27
C27	ZOS027.DOC	32k	Our reviewer's comments on vol 26 & 27
C27.01	ANTONYMS.ASC	6k	Microsoft Basic game
C27.02	DISSAMBR.ASC	4k	Disassembler
C27.03	DOTS.ASC	8k	Microsoft Basic game
C27.04	DRAGRACE.ASC	3k	Microsoft Basic game
C27.05	FOOTBALL.ASC	8k	Microsoft Basic game
C27.06	GOLF.ASC	10k	Microsoft Basic game
C27.07	GREEKRTS.ASC	2k	Microsoft Basic game
C27.08	HANGMN-1.ASC	6k	Microsoft Basic game
C27.09	HANGMN-2.ASC	6k	Microsoft Basic game
C27.10	HANGMN-3.ASC	6k	Microsoft Basic game
C27.11	HIDEESEEK.ASC	3k	Microsoft Basic game
C27.12	IQUEEN.ASC	5k	Microsoft Basic game
C27.13	MASTERMD.ASC	2k	Microsoft Basic game
C27.14	MAZE.ASC	5k	Microsoft Basic game
C27.15	MEMBRAIN.ASC	7k	Microsoft Basic game
C27.16	NIM.ASC	2k	Microsoft Basic game
C27.17	ROULETTE.ASC	7k	Microsoft Basic game
C27.18	SHOP.ASC	9k	Microsoft Basic game
C27.19	SNOOPY.ASC	4k	Generates Snoopy picture
C27.20	STARTREK.ASC	7k	Microsoft Basic game
C27.21	SYNONYMS.ASC	8k	Microsoft Basic game
C27.22	BLUFF.INT	11k	Microsoft Basic game
C27.23	RUN.COM	12k	Run program to execute BLUFF.INT.
C27.24	MEGATREK.ASC	46k	C22.01 trimmed to run in 63k system
C27.25	MEGATREK.DOC	1k	Note on Megatrek

C28	-CATALOG.028	3k	Contents of CP/M Users Group Volume 28
C28.01	DATABASE.DOC	6k	Documentation for database system
C28.02	DBENTRY.BAS	6k	D.B. system file load utility
C28.03	DBQUERY.BAS	7k	D.B. system query and update module
C28.04	DBSETUP.BAS	7k	D.B. system file initialization module
C28.05	INV.	1k	File definition for inventory data base
C28.06	INV.IND	1k	Sample part # index for inventory file
C28.07	MAILLIST.DOC	23k	Updated Doc for CACHE mailing list
C28.08	MAINT.BAS	11k	Updated maillist. Handles more fields
C28.09	REPORT.BAS	11k	Improved maillist report program.
	ALGOLM.COM	14k	Algolm compiler by Lt. M. Moraville

C28.11	RUNALG.COM	14k	Algolm INT file interpreter
C28.12	ALGINTRO.TXT	9k	Algolm introduction
C28.13	ALGSTART.TXT	3k	Algolm run instructions
C28.14	COMERR.TXT	2k	Algolm compile errors documentation
C28.15	RUNERR.TXT	2k	Algolm run time errors documentation
C28.16	USRMAN.TXT	25k	Algolm User Manual
C28.17	ARRAY.ALG	3k	Algolm program
C28.18	BOOLINT.ALG	1k	Algolm program
C28.19	CASETEST.ALG	1k	Algolm program
C28.20	CASETWO.ALG	1k	Algolm program
C28.21	FLYTEST.ALG	1k	Algolm program
C28.22	GOTOTEST.ALG	1k	Algolm program
C28.23	HANOI.ALG	1k	Algolm program
C28.24	LUNAR.ALG	2k	Algolm program
C28.25	PERM.ALG	2k	Algolm program
C28.26	READWORD.ALG	2k	Algolm program
C28.27	RWINT.ALG	1k	Algolm program
C28.28	SIISTR.ALG	1k	Algolm program
C28.29	SORT.ALG	2k	Algolm program
C28.30	STRING.ALG	1k	Algolm program
C28.31	STRTST.ALG	1k	Algolm program
C28.32	BLKTEST.ALG	1k	Algolm program
C28.33	ONEND2.ALG	1k	Algolm program
C28.34	WFILE.OUT	1k	Algolm program output
C28.35	WINPUT.INP	1k	Demo input file for READWORD
C28.36	RFILE.INP	1k	Demo input file for RWINT
C28.37	BLK.INP	1k	Demo input file
C28.38	FILE1.INP	1k	Demo input file
C28.39	FILE2.INP	1k	Demo input file
C28.40	ADM3.MOD	4k	Mods for ADM3

C29	-CATALOG.029	3k	Contents of CP/M Users Group Volume 29
C29	VOLUME29.DOC	3k	Comments on programs on Volume 29
C29.01	TTT.ASM	25k	3-d tic tac toe game
C29.02	CHASE.ASM	9k	VDM/SOL game - C15.03 with CP/M I/O
C29.03	TARGET.ASM	3k	VDM/SOL game
C29.04	DEFLECT.ASM	8k	VDM game
C29.05	MUSIC.ASM	8k	Music program
C29.06	MUSICP.COM	2k	Music program for "Sounds of Silence"
C29.07	PIRANHA.ASM	12k	VDM game
C29.08	ROBIN.ASM	19k	Uses Poly VTI - See VOLUME29.DOC.
C29.09	ROBOT.ASM	3k	VDM game
C29.10	ALLOC.ASM	2k	Disk allocation display. See Doc
C29.11	EDIT.ASM	24k	Disassembly of C16.05 - See VOLUME29.DOC
C29.12	SAP.ASM	5k	Sorts and packs directory. Improved
C29.13	NOTATE.ASM	3k	Adds comments to ASM source.
C29.14	SYMSTACK.LIB	1k	Assembler time push/pop LIB for MAC.
C29.15	NCOMPARE.LIB	2k	Corrected version of D/R distribution
C29.16	SEQIO.LIB	11k	Corrected version of D/R distribution
C29.17	WHENS.LIB	1k	Modification of D/R version
C29.18	DOWHILES.LIB	1k	Modification of D/R version
C29.19	SELECTS.LIB	2k	Modification of D/R version
C29.20	IGADD.MAC	1k	Subroutine callable from Fortran-80
C29.21	MON1.MAC	1k	Subroutine callable from Fortran-80
C29.22	MON2.MAC	1k	Subroutine callable from Fortran-80
C29.23	UNLOAD.ASM	2k	Converts COM file to HEX. Use MAC.
C29.24	FPCONV.SRC	14k	Basic-E Floating Point conversion pkg
C29.25	FPDATA.SRC	2k	Equate tables for FPCONV
C29.26	FPINT.SRC	8k	Interface Interpreter and F.P. pkg
C29.27	FPFCG.SRC	29k	Interpreter
C29.28	TRAN.SRC	13k	Transcendental Function package
C29.29	MOVE.ASM	5k	1 disk move program. Assemble with MAC.
C29.30	MOVENMAC.ASM	6k	MOVE.ASM w/macros expanded for assembly
C29.31	TIMESQ.ASM	5k	Sign generator for VDM.
C29.32	WSYSGEN.ASM	3k	SYSGEN a stack of disks easily.
	M DOC	1k	Modified to use 16 lines instead of 24

C30	-CATALOG.030	1k	Contents of CP/M Users Group Volume 30
C30.01	BASCOM.LIT	2k	Literal equates
C30.02	BASIC.PLM	39k	V1.4 Basic-E compiler modified for CP/M
C30.03	BASPAR.PLM	14k	Parser module
C30.04	BASSYN.PLM	54k	Symbol table and code generator module
C30.05	BASIC.COM	12k	Executable compile module
C30.06	RUN.PLM	66k	Run module
C30.07	RUN.COM	12k	Executable run module
C30.08	BUILD.PLM	17k	Invoked when RUN called

C31	-CATALOG.031	2k	Contents of CP/M Users Group Volume 31
C31.01	TBASIC.TOC	2k	Table of Contents
C31.02	TBASIC.1	3k	Chapter 1
C31.03	TBASIC.2	2k	Chapter 2
C31.04	TBASIC.3	3k	Chapter 3
C31.05	TBASIC.4	3k	Chapter 4
C31.06	TBASIC.5	3k	Chapter 5
C31.07	TBASIC.6	3k	Chapter 6
C31.08	TBASIC.7	4k	Chapter 7
C31.09	TBASIC.8	3k	Chapter 8
C31.10	TBASIC.9	2k	Chapter 9
C31.11	TBASIC.10	3k	Chapter 10
C31.12	TBASIC.11	3k	Chapter 11
C31.13	TBASIC.12	2k	Chapter 12
C31.14	TBASIC.13	2k	Chapter 13
C31.15	TBASIC.14	2k	Chapter 14
C31.16	TBASIC.15	2k	Chapter 15
C31.17	TBASIC.A	3k	Appendix A
C31.18	TBASIC.B1	3k	Appendix B page 1
C31.19	TBASIC.B2	3k	Appendix B page 2
C31.20	TBASIC.C	3k	Appendix C
C31.21	TBASIC.D1	2k	Appendix D page 1
C31.22	TBASIC.D2	2k	Appendix D page 2
C31.23	TBASIC.E	3k	Appendix E
C31.24	TBASIC.H	1k	Appendix H
C31.25	TBASIC.I	3k	Appendix I
C31.26	TBASIC.J	2k	Appendix J
C31.27	TBASIC.K	1k	Appendix K
C31.28	TBASIC.IND	3k	Index
C31.29	TBASIC.AD	3k	Product description
C31.30	TBASIC.CPM	3k	Special instructions
C31.31	TBASIC.COM	21k	Executable module
C31.32	TBASICA4.ASM	43k	Source module
C31.33	TBASICA5.ASM	55k	Source module
C31.34	TBASICA6.ASM	26k	Source module

C32	-CATALOG.032	1k	Contents of CP/M Users Group Volume 32
C32.01	READ.ME	1k	Note from Tarbell Electronics
C32.02	RTMASM.COM	10k	Multi input file assembler
C32.03	RTMASM.DOC	3k	Instructions for assembling
C32.04	TBASICA1.ASM	26k	Source module
C32.05	TBASICA2.ASM	47k	Source module
C32.06	TBASICA3.ASM	53k	Source module
C32.07	TBASICIO.ASM	19k	Source module

C33	-CATALOG.033	2k	Contents of CP/M Users Group Volume 33
C33.01	-SAR.DOC	8k	Descriptions of the SAR programs
C33.02	ADDPOD.BAS	1k	Calculates probability of detection
C33.03	BITCASP.BAS	18k	RJCASP to use Summagraphics Bitpad
C33.04	CAESAR.BAS	22k	Flight log keeper
C33.05	CAESAR.BQ	2k	Caesar briefing questionnaire
C33.06	CAESAR.DQ	2k	Caesar debriefing questionnaire
C33.07	CAESAR.MQ	4k	Caesar mission questionnaire
C33.08	CAPSERCH.BAS	4k	Game to teach fundamentals of SAR
C33.09	CASPGAME.BAS	20k	Demonstrator for BITC SP

C33.10	CASPPLUS.BAS	14k	Expanded version of RJCASP
C33.11	DFELT.BAS	7k	Re-write of N-ELT1
C33.12	ELTPOD.BAS	3k	Calc electronic discovery probabilities
C33.13	N-ELT1.ASC	10k	Microsoft Basic version - see C33.15
C33.14	N-ELT1.BAS	10k	CBasic version - see C33.15
C33.15	N-ELT1.DOC	6k	R.D.F. to localize radio beacon
C33.16	OPT.BAS	2k	Tests probability of visual detection
C33.17	RJCASP.BAS	3k	Allocation of search resource
C33.18	SERCHGME.BAS	9k	C33.08 re-written as structured program
C33.19	VISPOD.BAS	3k	Calc visual discovery probabilities
C34	-CATALOG.034	3k	CONTENTS OF CP/M VOL. 34
C34.01	ABSTRACT.034	1k	Quick look at SAM76
C34.02	ASTRO.FNT	8k	Astrological signs for graphics
C34.03#	BONUS.DOC	1k	Function documentation
C34.04#	BOOK.DOC	1k	How to order SAM76 manual
C34.05#	COPY.COM	1k	* Disk copy program
C34.06#	CPMSETL.COM	1k	Part of SAM76 setup procedure
C34.07	DEMO.SAM	3k	Some interesting demo programs
C34.08	DIRFIX.SAM	1k	Disk directory routines
C34.09	EXTF.ASM	19k	Various routines w/clock driver
C34.10	EXTF.DOC	1k	Various routines w/clock driver
C34.11#	FRIEND.DOC	1k	oops!! Something not on disk!
C34.12#	G.SAM	2k	Sets up SAM for load-and-go
C34.13	HOOH.SAM	1k	Hex to octal to hex
C34.14#	IDUMP.COM	1k	Interpreted file dump [**]
C34.15#	ILRAW.COM	13k	Raw copy of SAM76.
C34.16	INFO.SAM	10k	Creates following .DOC files
C34.17#	INFO1.DOC	1k	<<Empty>> ??
C34.18#	INFO2.DOC	1k	Misc. DOC
C34.19#	INFO3.DOC	2k	Misc. DOC
C34.20#	INFO4.DOC	1k	<<Empty>> ??
C34.21	INFO5.DOC	2k	Misc. DOC
C34.22#	KSAP.COM	1k	* Sort and pack directory
C34.23	LABEL.SAM	3k	Demo prog
C34.24	LOOP.SAM	1k	Demo prog
C34.25	MOVE2.SAM	1k	Demo prog
C34.26	MULT.SAM	1k	Multiplies long decimal #'s
C34.27	NEWS.SAM	5k	Random news story generator.
C34.28	P1UR.FNT	10k	Used with graphics
C34.29	PLOT.ASM	15k	For graphics on Poly/TRS-80
C34.30	PLOT.DOC	1k	For graphics on Poly/TRS-80
C34.31	PRINT.SAM	7k	Print SAM files
C34.32#	READ-ME.DOC	3k	One user's experiences.
C34.33#	S.DOC	2k	Doc on creating S.COM
C34.34	SIZE.SAM	1k	Demo
C34.35	SIZLST.SAM	1k	Demo
C34.36	SLED.SAM	4k	Demo
C34.37#	THREED.SAM	4k	Demo
C34.38	UPD051.TXT	7k	Doc on SAM (nonstandard text/file format)
C34.39	UPD052.TXT	7k	Doc on SAM (nonstandard text/file format)
C34.40	VERIFY.SAM	1k	Demo
C34.41#	VOLSAM.DOC	6k	Volume documentation
C34.42#	X\$UTIL.SAM	3k	Demo
C34.43#	XD.COM	4k	* directory lister
C34.44#	XDIR.COM	1k	* directory lister
C34.45#	XM.COM	1k	* directory lister
C35	-CATALOG.035	4k	Contents of CP/M VOL. 35
C35	ABSTRACT.035	2k	Abstract of disk contents
C35.01	BEE.FAS	2k	Source code; A bee & a bird cartoon
C35.02	BEE#.FEX	10k	Executable bee story
C35.03	CHECKOU&.FEX	5k	Executable checkout.
C35.04	CHECKOUT.FAS	4k	Felix pseudo-machine diagnostic program
C35.05	CLEAR.ASM	8k	Start of FELIX source code
	FLIX.ASM	1k	FELIX source code

C35.07	DISPNOI.ASM	1k	FELIX source code
C35.08	DISTEST.FAS	1k	Demo of distance operator
C35.09	DISTest&.FEX	5k	Executable Distance Test
C35.10	DISTPLUS.ASM	11k	FELIX source code
C35.11	DOODLE.ASM	14k	FELIX source code
C35.12	DOODLE.COM	1k	Object Drawing Utility
C35.13	DSKRD.ASM	3k	FELIX source code
C35.14	EXEC.COM	1k	Pseudo-Machine Interpreter
C35.15	EXEC.OBJ	2k	The 'actual' pseudo-machine
C35.16	EXECPLUS.ASM	9k	FELIX source code
C35.17	EXECSAFE.ASM	2k	FELIX source code
C35.18	FANCY#.FEX	10k	C35.42 with a pretty init. background
C35.19	FASM.COM	9k	Pseudo-Code Assembler
C35.20	FCBM0V.ASM	1k	FELIX source code
C35.21	FCBNEW.ASM	1k	FELIX source code
C35.22	FELIX.ASM	5k	FELIX source code
C35.23	FELIX.COM	1k	Initial Setup Routine
C35.24	FELIX.DOC	7k	Some details about the system
C35.25	FELIX.OBJ	3k	The 'actual' base routines
C35.26	FELIXV1.CAT	3k	Author's original volume cat.
C35.27	GETF.ASM	2k	FELIX source code
C35.28	GETW.ASM	2k	FELIX source code
C35.29	HEXOUT.ASM	2k	FELIX source code
C35.30	LOADBACK.COM	2k	Utility to load backgrounds
C35.31	LOADOB.COM	2k	Utility for getting objects from disk
C35.32	LOADPROG.ASM	5k	Utility for getting pgrms from disk
C35.33	LOADPROG.COM	1k	Object of above
C35.34	MUSTANG.FAS	2k	Cowboy jumps on a horse as it rides by
C35.35	MUSTANG&.FEX	6k	Executable cowboy story
C35.36	NUMBER.ASM	15k	FELIX source code
C35.37	OBJECT.ASM	3k	FELIX source code
C35.38	OBJNULL.ASM	1k	FELIX source code
C35.39	PAINT.FAS	1k	Source code for a simple painter
C35.40	PAINT.FEX	1k	PAINTER for use with your own objects
C35.41	PAINT.PRN	2k	PAINT.FAS listing
C35.42	PAINT&.FEX	6k	Painter for use with its own objects
C35.43	PAINTER.FEX	4k	Painter using 'Theta' (added A/D in)
C35.44	PAINTER&.FEX	6k	Painter with Theta and its own objects
C35.45	PARM.ASM	11k	FELIX source code
C35.46	PATH.ASM	3k	FELIX source code
C35.47	POSIT.ASM	3k	FELIX source code
C35.48	PUTF.ASM	3k	FELIX source code
C35.49	PUTW.ASM	3k	FELIX source code
C35.50	RESCALE.ASM	1k	FELIX source code
C35.51	ROTATE.ASM	5k	FELIX source code
C35.52	SAPD.COM	1k	Sort and Pack Directory (not functional)
C35.53	SAVEBACK.COM	2k	Utility for saving backgrounds to disk
C35.54	SAVEOB.COM	2k	Utility for saving objects to disk
C35.55	SHOWSWAP.ASM	5k	FELIX source code
C35.56	SINCOS.OBJ	4k	A SIN-COS table + some routines
C35.57	SPIN.ASM	1k	FELIX source code
C35.58	TABLE.ASM	1k	FELIX source code
C35.59	TRACE.ASM	2k	FELIX source code
C35.60	TRACE.COM	1k	Pseudo-machine interpreter with trace
C35.61	XTRA.ASM	2k	FELIX source code

C36	-CATALOG.036	2k	Contents of CP/M Users Group Volume 36
C36	ABSTRACT.036	6k	Abstract on some files
C36.01	COMBINE.ASM	7k	Combine .ASM files & delete comments
C36.02	COMBINE.COM	1k	Combine .ASM files & delete comments
C36.03	CPM-PEN.ASM	4k	Convert CP/M to electric pencil files
C36.04	CPM-PEN.COM	1k	Convert CP/M to electric pencil files
C36.05	FIND.ASM	8k	Find ASCII string in 1 or more files
C36.06	FIND.COM	1k	Find ASCII string in 1 or more files
C36.07	FIND.DOC	1k	Find ASCII string in 1 or more files
C36.08	182.COM	11k	M180 Com...

C36.09	LINES.COM	1k	Count lines in an ASCII file
C36.10	LINES.DOC	1k	Count lines in an ASCII file
C36.11	LINKASM.COM	6k	ASM.COM with feature to link files
C36.12	LINKASM.DOC	5k	ASM.COM with feature to link files
C36.13	LIST.COM	1k	List files with starting line number
C36.14	LIST.DOC	1k	List files with starting line number
C36.15	MB1.COM	10k	ML80 Component
C36.16	MAC6.AZM	11k	I/O drivers for TDL macro assembler
C36.17	MAC6.COM	2k	I/O drivers for TDL macro assembler
C36.18	MAC6.DOC	4k	I/O drivers for TDL macro assembler
C36.19	MBMBOT.ASC	8k	Memory bank boot & mgmt
C36.20	MFACCESS.LIB	3k	Subroutine to setup multiple files
C36.21	ML80.DOC	2k	DOC on ML80 components
C36.22	ML80.REF	9k	Reference material on ML80
C36.23	PEN-CPM.ASM	3k	Convert Electric Pencil to CP/M file
C36.24	PEN-CPM.COM	1k	Convert Electric Pencil to CP/M file
C36.25	PEN-CPM.DOC	2k	Convert Electric Pencil to CP/M file
C36.26	POW.ASM	24k	Source for text processor
C36.27	POWCMDS.POW	5k	POW documentation
C36.28	POWTEXT.POW	2k	More POW doc.
C36.29	SCRAMBLE.ASM	6k	File encode/decode
C36.30	SCRAMBLE.DOC	2k	Doc on above
C36.31	TED.COM	17k	CP/M text editor with help features
C36.32	TED.DOC	23k	CP/M text editor with help features
C36.33	TOP.AZM	10k	TDL Text output processor patches
C36.34	TOP.PRN	5k	TDL Text output processor patches
C36.35	TOP.TOP	3k	TDL Text output processor patches
C36.36	XREF.ASM	22k	Cross references .ASM files

C37	-CATALOG.037	4k	CONTENTS OF CP/M VOL. 37
C37	ABSTRACT.037	6k	Abstract of disk contents
C37.01	AREA.BAS	3k	Metric conversion in CBASIC
C37.02	AREA.INT	2k	Metric conversion in CBASIC
C37.03	CHAIN.BAS	3k	Menu program for arithmetic drills
C37.04	CHAIN.INT	2k	Menu program for arithmetic drills
C37.05	COMMON1.TXT	1k	Part of arith. drill progs.
C37.06	COMPILE.SUB	1k	Compiles arith. drill progs
C37.07	CPUPARTS.BAS	3k	Data table for MANPARTS
C37.08	CRAPS.BAS	41k	Very complete program
C37.09	CRAPS.DOC	1k	Very complete program
C37.10	CRAPS.INT	19k	Very complete program
C37.11	DEC1.BAS	3k	Arithmetic drill
C37.12	DEC1.INT	2k	Arithmetic drill
C37.13	DEC2.BAS	2k	Arithmetic drill
C37.14	DEC2.INT	2k	Arithmetic drill
C37.15	DEC3.BAS	3k	Arithmetic drill
C37.16	DEC3.INT	2k	Arithmetic drill
C37.17	DEC4.BAS	3k	Arithmetic drill
C37.18	DEC4.INT	3k	Arithmetic drill
C37.19	DEC5.BAS	3k	Arithmetic drill
C37.20	DEC5.INT	3k	Arithmetic drill
C37.21	DEC6.BAS	3k	Arithmetic drill
C37.22	DEC6.INT	3k	Arithmetic drill
C37.23	DECIMAL.BAS	3k	Arithmetic drill
C37.24	DECIMAL.INT	2k	Arithmetic drill
C37.25	DISK.PRN	2k	More doc on CRAPS
C37.26	DISTANCE.BAS	3k	Metric conversions drill
C37.27	DISTANCE.INT	3k	Metric conversions drill
C37.28	FORMULA.BAS	5k	Drill formulas, volume, etc
C37.29	FORMULA.INT	4k	Drill formulas, volume, etc.
C37.30	FRAC1.BAS	3k	Arithmetic drill
C37.31	FRAC1.INT	2k	Arithmetic drill
C37.32	FRAC2.BAS	3k	Arithmetic drill
C37.33	FRAC2.INT	2k	Arithmetic drill
C37.34	FRAC3.BAS	3k	Arithmetic drill
C37.35	FRAC3.INT	2k	Arithmetic drill

C37.37	FRAC4.BAS	3k	Arithmetic drill
C37.37	FRAC4.INT	2k	Arithmetic drill
C37.38	FRACTION.BAS	4k	Arithmetic drill
C37.39	FRACTION.INT	3k	Arithmetic drill
C37.40	GRADE.BAS	1k	Arith drill grading program
C37.41	HEADER.BAS	1k	%Include for drill progs.
C37.42	INTEGER.BAS	4k	Arithmetic drill
C37.43	INTEGER.INT	3k	Arithmetic drill
C37.44	JRN.L.BAS	13k	Accounting program
C37.45	JRN.L.INT	9k	Accounting program
C37.46	MANPARTS.BAS	1k	Manufactured parts program
C37.47	NEWFRAC2.BAS	3k	Arithmetic Drill program
C37.48	PARTS.BAS	1k	Parts list generator
C37.49	PASSWORD.BAS	2k	Change BASIC keywords
C37.50	PERCENT.BAS	3k	Arithmetic drill program
C37.51	PERCENT.INT	2k	Arithmetic drill program
C37.52	VOLUME.BAS	3k	Arithmetic drill program
C37.53	VOLUME.INT	2k	Arithmetic drill program
C37.54	WEIGHT.BAS	3k	Arithmetic drill program
C37.55	WEIGHT.INT	2k	Arithmetic drill program
C37.56	WHOLE.BAS	3k	Arithmetic drill program
C37.57	WHOLE.INT	2k	Arithmetic drill program

C38	-CATALOG.038	2k	Contents of CP/M Users Group Volume 38
C38	ABSTRACT.038	5k	Abstracts on some of the files.
C38.01	VBOOT.ASM	5k	Tarbell Boot for full sized system
C38.02	BVIO.S.ASM	28k	Compact BIOS for Tarbell system
C38.03	DFOCO.ASM	56k	Tarbell DD format and copy
C38.06	DMSPATCH.ASM	1k	FAST for Digital Micro Sytems drives
C38.07	DSCUSPAT.ASM	1k	FAST patch for Discus 2D
C38.08	FAST.ASM	20k	Speed up transients via
C38.09	FAST.COM	2k	Track & dir. buffering.
C38.10	FASTNSTL.DOC	3k	FAST installation DOC
C38.11	FMAN.PRN	18k	FAST operations manual
C38.12	MACRO.LIB	18k	Used by DFOCO
C38.13	MICROPAT.ASM	1k	FAST patch for Micropolis
C38.14	PACKUP.ASM	15k	Part of FAST
C38.15	REL.ASM	4k	Relocation utility source
C38.16	REL.UTL	2k	Relocation utility
C38.17	RELCPM.DOC	2k	DOC on relocation programs
C38.18	RELCPM.SUB	1k	SUBMIT file for relocations
C38.19	RELED.SUB	1k	SUBMIT file for relocations
C38.20	RELHDR.ASM	2k	Handler for REL.UTL
C38.21	RSPEED.ASM	3k	Determine how fast your disk reads
C38.22	RSPEED.COM	1k	Determine how fast your disk reads
C38.23	SKEW2PAT.ASM	1k	Skew table patch for FAST
C38.24	SKEW3PAT.ASM	1k	Skew table patch for FAST
C38.25	SMAN.PRN	2k	Speed operations manual
C38.26	SPEED.COM	5k	CCP replacement with full trk blocking
C38.27	UTL.LIB	3k	Macro library for reloc.

C39	-CATALOG.039	4k	Contents OF CP/M Users Group Volume 39
C39	ABSTRACT.039	3k	Abstracts on some of the files
C39.01	2PRTFJSB.MUS	2k	Source music score, BACH
C39.02	2PRTFJSB.NOT	4k	"Compiled" score
C39.03	AIR.MUS	4k	Source music score
C39.04	ALLEGRO.MUS	1k	Source music score
C39.05	AMERICA.MUS	1k	Source music score
C39.06	ARIA.MUS	3k	Source music score
C39.07	AWAVE.BAS	2k	Wave form generator
C39.08	AWAVE.INT	2k	Wave form generator
C39.09	BOOGIE.MUS	1k	Source music (diddling)
C39.10	BOUREE.MUS	2k	Source music score
C39.11	BREEZ.MUS	1k	Source music score
C39.12	CALIOPE.MUS	2k	Source music (Super!)
79 13	CHOPS.MUS	1k	Source music score

C39.14	CHORALE.MUS	3k	Source music score
C39.15	DAISY.MUS	1k	Source music score
C39.16	ENTER.MUS	1k	Source music (Partial)
C39.17	FIX.SUB	1k	To remove (") from music
C39.18	HUSTLE.MUS	3k	Source music score
C39.19	IRISH.MUS	1k	Source music score
C39.20	LAWRENCE.MUS	2k	Source music score (Arabia)
C39.21	LVBMIN.MUS	3k	Source music score
C39.22	LVBMIN.NOT	7k	Compiled score
C39.23	MAPLE.MUS	2k	Source music score
C39.24	MARINE.MUS	1k	Source music score
C39.25	MINWALZ.MUS	3k	Source music (L-uuuv it)
C39.26	MRIVER.MUS	1k	Source music score
C39.27	MUSIC.COM	5k	Executable code
C39.28	MUSIC.DOC	13k	Doc incl how to put on your micro
C39.29	MUSIC4.ASM	14k	The music driver program
C39.30	MUSIC4.COM	2k	COM of above
C39.31	MUSIC4.DOC	2k	Doc on MUSIC4
C39.32	MUSPAT.DOC	3k	DOC on MUSPAT
C39.33	MUSPAT.HEX	7k	HEX patch file
C39.34	MYLIFE.MUS	2k	Source music score
C39.35	NOTES.BAS	3k	Tune constructing program
C39.36	NOTES.INT	2k	Tune constructing program
C39.37	PIC.MUS	1k	Source music score
C39.38	PRELUDE.MUS	3k	Source music score
C39.39	PUR2MIN.MUS	1k	Source music score
C39.40	PUR2MIN.NOT	3k	Compiled score
C39.41	REMOV".ASM	3k	Remove (") from a file
C39.42	REMOV".COM	1k	Remove (") from a file
C39.43	ROLLING.MUS	1k	Source music score
C39.44	SARABAND.MUS	2k	Source music score
C39.45	SMALL.MUS	2k	Source music score
C39.46	SPREAD.MUS	3k	Source music (Interesting)
C39.47	STARWARS.MUS	2k	Source music score
C39.48	TINSOLD.MUS	2k	Source music (a start...)
C39.49	WALK.MUS	2k	Source music (Terriffikk)
C39.50	WAVES.MUS	1k	Source music score
C39.51	WHATI.MUS	3k	Source music score
C39.52	WIERD.MUS	3k	Source music score
C39.53	YANKEE.MUS	2k	Source music score (good!)
C40	-CATALOG.040	2k	Contents of CP/M Users Group Volume 40
C40	ABSTRACT.040	8k	Abstract on some of the files
C40.01	/ .COM	1k	Quickie submit; Example:
C40.02	/ .DOC	1k	/ ASM F00.BBZ;LOAD B:F00
C40.03	ALLOC.COM	1k	Prints bit map of disk usage
C40.04	ALLOC.DOC	1k	Prints bit map of disk usage
C40.05	BOOTER.ASM	37k	Pascal boot for Tarbell & Delta
C40.06	CAT.COM	1k	Part of master cataloging sys.
C40.07	CAT2.COM	1k	Part of master cataloging sys.
C40.08	CATALOG.DOC	5k	Doc on master cataloging system
C40.09	CK-FIX.COM	1k	File checksum program
C40.10	CK-FIX.DOC	1k	File checksum program
C40.11	COMPARE.ASM	4k	See if two files match exactly
C40.12	COMPARE.COM	2k	See if two files match exactly
C40.13	CV.ASM	8k	Split screen VDM 2 file compare <MAC>
C40.14	CV.COM	1k	Split screen VDM 2 file compare
C40.15	CV.DOC	1k	Split screen VDM 2 file compare
C40.16	D.COM	1k	Shows file differences between sessions
C40.17	D.DOC	1k	Shows file differences between sessions
C40.18	DI.ASM	14k	Directory listing program
C40.19	DI.COM	2k	Directory listing program
C40.20	DU.ASM	26k	Disk utility: scan, patch, etc
C40.21	DU.COM	4k	Disk utility: scan, patch, etc
C40.22	DU.DOC	1k	Disk utility: scan, patch, etc
C40.23	EJECT.ASM	1k	"EJECT n" pages on CPM list day

C40.24	FMAP.COM	1k	File map - standalone & part of catalog sys
C40.25	FMAP.DOC	1k	File map - standalone & part of catalog sys
C40.26	HEXDUMP.ASM	9k	Binary to Hex (Requires TDL Asm)
C40.27	MAST.CAT	1k	Sample master catalog
C40.28	MODEM4.ASM	40k	File xfer, PMMI/Hayes, serial
C40.29	MODEM4.DOC	7k	File xfer, PMMI/Hayes/serial
C40.30	NSBOOT.ASM	3k	Boot for National Semi 8221
C40.31	NSCBIOS.ASM	12k	CBIOS for National Semi 8221
C40.32	PBOOT.ASM	3k	Pascal boot loader for Tarbell
C40.33	PGEN.ASM	5k	Boot mods for 512 long sectors
C40.34	PMMIBYE3.ASM	17k	Dial in remote console prog
C40.35	SPASCAL.DOC	7k	Sam Singer's PASCAL mods
C40.36	UCAT.COM	2k	Update catalog program
C40.37	VDMSAVE.ASM	3k	Write VDM lines to a file

C41	-CATALOG.041	2k	Contents of CP/M Volume 41
C41	ABSTRACT.041	7k	Abstracts on some files
C41.01	BMAINT.BAS	12k	Ham maillist maint. BASIC/E
C41.02	BREPORT.BAS	12k	Ham Maillist report
C41.03	CHESS.COM	26k	Cromemco Z-80 Fortran Chess
C41.04	CHESS.DOC	2k	Doc on Chess program
C41.05	CHESS.FOR	24k	Source in FORTRAN
C41.06	CODE.BAS	2k	Simple Morse code receiver
C41.07	HAMPROGS.DOC	3k	Doc on BMAINT, BREPORT, RTTY, etc
C41.08	LABELS.BAS	2k	Print return labels
C41.09	MOONLOC.DOC	6k	Doc for Ham Radio Moon location pgrms
C41.10	MOONLOC1.BAS	3k	Moon Bounce program - Ham radio
C41.11	MOONLOC2.BAS	3k	Moon Bounce program - Ham radio
C41.12	MOONLOC3.BAS	7k	Moon Bounce program - Ham radio
C41.13	MOONLOC5.BAS	5k	Moon Bounce program - Ham radio
C41.14	MORSE.ASM	8k	Morse send/receive program - Ham radio
C41.15	PONG.ASM	7k	(3) PONG for the VDM (re-release C06.09)
C41.16	PRACTICE.ASM	8k	Morse code teacher - Ham radio
C41.17	RANDTEX.BAS	2k	Generate text for C41.16 - Ham radio
C41.18	RESIZE.DOC	2k	Part of ham radio maillist system
C41.19	RESIZE2.BAS	5k	Part of ham radio maillist system
C41.20	RESIZE3.BAS	5k	Part of ham radio maillist system
C41.21	RTTY.ASM	26k	RTTY send/receive program - Ham radio
C41.22	SSPLIB.FOR	12k	Curve fit/simultaneous equation solver
C41.23	TEACH.ASM	10k	Morse Code teaching program - Ham radio
C41.24	TTY.ASM	9k	Baudot-coded ASCII to ASCII - Ham radio
C41.25	TTYR.ASM	5k	Variation of C41.24 - Ham radio
C41.26	TTYR1.ASM	5k	Variation of C41.24 - Ham radio
C41.27	TTYX.ASM	5k	Xmit ASCII via conversion - Ham radio

C42	-CATALOG.042	2k	Contents of CP/M Volume 42
C42	ABSTRACT.042	6k	Abstracts on some of the files
C42.01	BIDI.ASM	9k	Bidirectional Diablo driver
C42.02	CLKROM.ASM	3k	Compu-time (R) routines
C42.03	CT82.COM	1k	SWTPC CT82 initializer
C42.04	CT82.Z80	6k	TDL Z-80 source for SWTPC CT82 init
C42.05	DIS.ASM	44k	TDL Z-80 Disassembler
C42.06	DIS.DOC	5k	Doc for TDL Z-80 disassembler
C42.07	HOW2BS.DOC	3k	Put backspace into your BIOS
C42.08	INIT.TEL	2k	ZTEL-CT82 routines
C42.09	LIFE8.ASM	17k	LIFE for VDM
C42.10	LIFE8.COM	3k	LIFE for VDM
C42.11	LIFE8.DOC	2k	LIFE for VDM
C42.12	MNEMONIC.ASM	27k	Memory test(see MNEMONIC in dictionary)
C42.13	MBIOS.ASM	7k	BIOS for TEI CP/M
C42.14	PTSRCNVT.ASM	4k	Proc Tech ALS-8 to CP/M file convert
C42.15	PTSRCNVT.COM	2k	Proc Tech ALS-8 to CP/M file convert
C42.16	PTSRCNVT.DOC	2k	Proc Tech ALS-8 to CP/M file convert
C42.17	QUOTES.PRN	13k	Words of wit and wisdom
C42.18	RESOURCE.COM	6k	Conversational disassembler
	.SOURCE.DOC	26k	Doc on conversational disassembler

C42.20	START.ASM	5k	Compucolor 8001 initializer
C42.21	START.COM	1k	Compucolor 8001 initializer
C42.22	T.ASM	2k	Print time on your console
C42.23	T.COM	1k	Print time on your console
C42.24	TIME.ASM	3k	Compu-time (R) routine
C42.25	TIME.BAS	2k	Time display in MBASIC
C42.26	TIMESSET.BAS	5k	Time set/read in MBASIC
C42.27	XT.ASM	25k	List to printer with time/date stamp
C42.28	XT.COM	2k	List to printer with time/date stamp
C42.29	XYZZY.COM	1k	[Type it and see]

C43	-CATALOG.043	2k	CONTENTS OF CP/M VOL. 43
C43.01	A/P-INFO.BAS	1k	Osborne A/P-A/R Accounting
C43.02	A/P000.BAS	1k	Osborne A/P-A/R Accounting
C43.03	A/P010.BAS	13k	Osborne A/P-A/R Accounting
C43.04	A/P02A.BAS	4k	Osborne A/P-A/R Accounting
C43.05	A/P02B.BAS	6k	Osborne A/P-A/R Accounting
C43.06	A/P030.BAS	12k	Osborne A/P-A/R Accounting
C43.07	A/P040.BAS	11k	Osborne A/P-A/R Accounting
C43.08	A/P050.BAS	6k	Osborne A/P-A/R Accounting
C43.09	A/P060.BAS	7k	Osborne A/P-A/R Accounting
C43.10	A/P070.BAS	11k	Osborne A/P-A/R Accounting
C43.11	A/P080.BAS	2k	Osborne A/P-A/R Accounting
C43.12	A/P090.BAS	11k	Osborne A/P-A/R Accounting
C43.13	A/P110.BAS	5k	Osborne A/P-A/R Accounting
C43.14	A/P120.BAS	10k	Osborne A/P-A/R Accounting
C43.15	A/R-INFO.BAS	2k	Osborne A/P-A/R Accounting
C43.16	A/R-INV.BAS	1k	Osborne A/P-A/R Accounting
C43.17	A/R010.BAS	12k	Osborne A/P-A/R Accounting
C43.18	A/R020.BAS	5k	Osborne A/P-A/R Accounting
C43.19	A/R03A.BAS	4k	Osborne A/P-A/R Accounting
C43.20	A/R03B.BAS	12k	Osborne A/P-A/R Accounting
C43.21	A/R040.BAS	9k	Osborne A/P-A/R Accounting
C43.22	A/R050.BAS	11k	Osborne A/P-A/R Accounting
C43.23	A/R060.BAS	2k	Osborne A/P-A/R Accounting
C43.24	A/R070.BAS	9k	Osborne A/P-A/R Accounting
C43.25	A/R080.BAS	5k	Osborne A/P-A/R Accounting
C43.26	A/RTAX.BAS	2k	Osborne A/P-A/R Accounting
C43.27	ABSTRACT.043	1k	Abstracts of A/P-A/R Programs.
C43.28	BINSEARC.BAS	1k	Part of A/P-A/R Package.
C43.29	CRTFM.BAS	10k	Osborne A/P-A/R Accounting
C43.30	CURSOR.BAS	2k	Osborne A/P-A/R Accounting
C43.31	FILEINIT.BAS	2k	Osborne A/P-A/R Accounting
C43.32	G/L-INFO.BAS	1k	Osborne A/P-A/R Accounting
C43.33	GENINFO.BAS	2k	Osborne A/P-A/R Accounting
C43.34	READCUST.BAS	1k	Osborne A/P-A/R Accounting
C43.35	READINV.BAS	1k	Osborne A/P-A/R Accounting
C43.36	READVEND.BAS	1k	Osborne A/P-A/R Accounting
C43.37	SUBS1.BAS	5k	Osborne A/P-A/R Accounting
C43.38	WRITCUST.BAS	1k	Osborne A/P-A/R Accounting
C43.39	WRITEINV.BAS	2k	Osborne A/P-A/R Accounting
C43.40	WRITEVND.BAS	1k	Osborne A/P-A/R Accounting

C44	-CATALOG.044	3k	CONTENTS OF CP/M VOL. 44
C44.01	ABSTRACT.044	3k	Comments on contents of volume
C44.02	ACCTFILE.BAS	2k	Part of Osborne General Ledger
C44.03	ANNTOT1.BAS	5k	Part of Cunningham Ledger
C44.04	ANNTOT1.INT	3k	Part of Cunningham Ledger
C44.05	BINSERCH.BAS	1k	Part of Osborne General Ledger
C44.06	BUDGET1.BAS	12k	Part of Cunningham Budget
C44.07	BUDGET1.DOC	2k	Part of Cunningham Budget
C44.08	BUDGET1.INT	6k	Part of Cunningham Budget
C44.09	BUDGETCH.BAS	5k	Part of Cunningham Budget
C44.10	BUDGETCH.INT	2k	Part of Cunningham Budget
C44.11	CBAS.SUB	1k	SUBMIT for compiling Osborne programs
	FM BAS	10k	CRT File M-...

C44.13	CRTFM.INT	4k	CRT File maint Utility for G/L
C44.14	CURSOR.BAS	2k	Part of Osborne General Ledger
C44.15	EXP1980.TOT	2k	Data file from Cunningham Budget
C44.16	EXPENS80.JAN	1k	Data file from Cunningham Budget
C44.17	FILEINIT.BAS	1k	Utility for Osborne General Ledger
C44.18	FILEINIT.INT	1k	Utility for Osborne G/L
C44.19	G/L.DOC	2k	Comments on Osborne General Ledger
C44.20	G/L-INFO.BAS	2k	Part of Osborne General Ledger
C44.21	G/L000.BAS	1k	Osborne G/L Accounting
C44.22	G/L000.INT	2k	Osborne G/L Accounting
C44.23	G/L010.BAS	6k	Osborne G/L Accounting
C44.24	G/L010.INT	4k	Osborne G/L Accounting
C44.25	G/L020.BAS	6k	Osborne G/L Accounting
C44.26	G/L020.INT	2k	Osborne G/L Accounting
C44.27	G/L030.BAS	6k	Osborne G/L Accounting
C44.28	G/L030.INT	5k	Osborne G/L Accounting
C44.29	G/L040.BAS	9k	Osborne G/L Accounting
C44.30	G/L040.INT	6k	Osborne G/L Accounting
C44.31	G/L050.BAS	12k	Osborne G/L Accounting
C44.32	G/L050.INT	6k	Osborne G/L Accounting
C44.33	G/L070.BAS	5k	Osborne G/L Accounting
C44.34	G/L070.INT	4k	Osborne G/L Accounting
C44.35	G/L080.BAS	8k	Osborne G/L Accounting
C44.36	G/L080.INT	5k	Osborne G/L Accounting
C44.37	GENINFO.BAS	1k	Osborne G/L Accounting
C44.38	LEDGER1.BAS	7k	Cunningham Ledger
C44.39	LEDGER1.DOC	2k	Cunningham Ledger
C44.40	LEDGER1.INT	3k	Cunningham Ledger
C44.41	POSTFILE.BAS	2k	Part of Osborne General Ledger
C44.42	ROBO.BAS	3k	Cunningham Math Game
C44.43	ROBO.DOC	1k	Cunningham Math game
C44.44	ROBO.INT	2k	Cunningham Math game
C44.45	SUBS1.BAS	5k	Part of Osborne General Ledger
C44.46	TCGW0Z.TXT	0k	Collected Great Works of Zoso
C45.01	-CATALOG.045	1k	CONTENTS OF CP/M VOL. 45
C45.02	ABSTRACT.045	2k	Abstract of CP/M Vol. 45
C45.03	P/R.SUB	1k	SUBMIT file for CBAS2 Payroll package
C45.04	P/R000.BAS	2k	Menu Program for P/R
C45.05	P/R010.BAS	5k	Osborne Payroll Accounting
C45.06	P/R020.BAS	13k	Osborne Payroll Accounting
C45.07	P/R030.BAS	3k	Osborne Payroll Accounting
C45.08	P/R040.BAS	2k	Osborne Payroll Accounting
C45.09	P/R050.BAS	10k	Osborne Payroll Accounting
C45.10	P/R06A.BAS	4k	Osborne Payroll Accounting
C45.11	P/R06B.BAS	8k	Osborne Payroll Accounting
C45.12	P/R070.BAS	4k	Osborne Payroll Accounting
C45.13	P/R080.BAS	2k	Osborne Payroll Accounting
C45.14	P/R090.BAS	8k	Osborne Payroll Accounting
C45.15	P/R100.BAS	9k	Osborne Payroll Accounting
C45.16	P/R110.BAS	8k	Osborne Payroll Accounting
C45.17	P/R120.BAS	3k	Osborne Payroll Accounting
C45.18	P/R130.BAS	4k	Osborne Payroll Accounting
C45.19	P/R140.BAS	6k	Osborne Payroll Accounting
C45.20	P/R150.BAS	3k	Osborne Payroll Accounting
C45.21	P/R160.BAS	2k	Osborne Payroll Accounting
C45.22	P/R170.BAS	3k	Osborne Payroll Accounting
C45.23	P/R180.BAS	8k	Osborne Payroll Accounting
C45.24	P/R190.BAS	4k	Osborne Payroll Accounting
C45.25	P/R200.BAS	7k	Osborne Payroll Accounting
C45.26	P/R210.BAS	9k	Osborne Payroll Accounting
C45.27	P/R220.BAS	6k	Osborne Payroll Accounting
C45.28	P/R230.BAS	5k	Osborne Payroll Accounting
C45.29	P/R240.BAS	9k	Osborne Payroll Accounting
C45.30	P/R250.BAS	3k	Osborne Payroll Accounting
C45.31	P/R260.BAS	3k	Osborne Payroll Accounting

C45.32	P/R270.BAS	6k	Osborne Payroll Accounting
C45.33	P/R280.BAS	15k	Osborne Payroll Accounting
C45.34	P/R290.BAS	4k	Osborne Payroll Accounting
C45.35	P/R291.BAS	10k	Osborne Payroll Accounting
C45.36	P/R300.BAS	11k	Osborne Payroll Accounting
C45.37	P/R310.BAS	5k	Osborne Payroll Accounting
C45.38	P/R320.BAS	3k	Osborne Payroll Accounting
C45.39	P/R321.BAS	7k	Osborne Payroll Accounting
C45.40	P/R330.BAS	6k	Osborne Payroll Accounting
C45.41	P/R340.BAS	3k	Osborne Payroll Accounting

C46	-CATALOG.046	2k	CONTENTS OF CP/M VOL. 46
C46.01	ABSTRACT.046	11k	Volume abstracts
C46.02	CPM-FDOS.ASM	11k	CPM to ICOM FDOS II transfer
C46.03	CPMLABEL.BAS	17k	Make CPMUG disk labels
C46.04	<<deleted>>	18k	(Was MBASIC compile of CPMLABEL.BAS)
C46.05	CPMLABEL.DOC	5k	Make CPMUG disk labels
C46.06	CRCK3.ASM	8k	Full 16 bit CRC of a file
C46.07	CRCK3.COM	1k	Full 16 bit CRC of a file
C46.08	DU-8/12.ASM	16k	Disk dump/patch, for many controllers
C46.09	DU-V61.ASM	29k	Later version of C40.20 (1D only)
C46.10	DU/MAP.DOC	2k	Doc. on CP/M directory format
C46.11	FDOS-CPM.ASM	6k	ICOM FDOS II to CP/M transfer
C46.12	MDIR8/17.ASM	10k	Fancy directory list program,
C46.13	MDIR8/17.COM	1k	CP/M 1.4 (or 2.X, all users)
C46.14	MLIST3.ASM	6k	Type multiple files with disk buffering
C46.15	PLINK823.ASM	20k	Send/Rcv to memory via modem
C46.16	PMMIBYE5.ASM	22k	Remote console program [C40.34]
C46.17	PMMIBYE5.DOC	3k	Remote console program [C40.34]
C46.18	PTSRCNV.T.COM	2k	Convert Proc Tech to CP/M ASM
C46.19	PTSRCNV.T.DOC	2k	Convert Proc Tech to CP/M ASM
C46.20	RETDL.COM	7k	Disassembler to TDL mnemonics
C46.21	SURVEY3.ASM	13k	Maps system memory/port usage
C46.22	SURVEY3.COM	1k	Maps system memory/port usage
C46.23	XD-7/4.ASM	20k	Fancy directory list program
C46.24	XD-7/4.COM	2k	Fancy directory list program

C47	-CATALOG.047	2k	CONTENTS OF CP/M VOL. 47
C47.01	ABSTRACT.047	7k	Abstracts and reviews.
C47.02	BMAP7/11.ASM	10k	Bit Map program.
C47.03	COPYFAST.ASM	22k	Revision of Tarbell's COPY.ASM
C47.04	COPYFAST.COM	2k	Revision of Tarbell's COPY.ASM
C47.05	CYBER.ASM	18k	Bob Van Valzah's Modem program
C47.06	DIAL6/23.ASM	22k	Modem program with autodial for PMMI
C47.07	DIAL6/23.DOC	2k	Modem program with autodial for PMMI
C47.08	DIRS9/8.ASM	8k	Sorted directory program.
C47.09	FLIP3.ASM	3k	Flips Answer/Originate mode w/BYE.COM
C47.10	MODEM.LIB	14k	Maclib library for MODEM7.
C47.11	MODEM7.ASM	43k	Ward's "universal" modem pgrm
C47.12	MODEM7.COM	8k	Ward's "universal" modem pgrm
C47.13	MODEM7.DOC	16k	Ward's "universal" modem pgrm
C47.14	MODEM7.SET	3k	Instructions for patching COM file
C47.15	PROM.ASM	13k	Promburner program for the SSM PB1.
C47.16	UCOPY.ASM	7k	Bob Van Valzah's version of COPY

C48	-CATALOG.048	2k	Catalog of CPMUG Volume 048
C48	ABSTRACT.048	6k	Abstracts of the programs
C48.01	BDS-C.DOC	17k	BDS-C users manual [*]
C48.02	BDSCIO.H	7k	The standard library
C48.03	BUGS.C	8k	Makes things crawl on your screen <H>
C48.04	BUGS.COM	11k	Makes things crawl on your screen <H>
C48.05	HLIFE.C	9k	H19/H89 version of LIFE.C, C48.09
C48.06	HLIFE.COM	8k	H19/H89 version of LIFE.C, C48.09
C48.07	HSTONE.C	13k	"Awari" game program - <H>
C48.08	HSTONE.COM	12k	"Awari" game program - <H>
C48.09	LIFE.C	9k	Good implementation of Conway's LIFE

C48.10	LIFE.COM	8k	Good implementation of Conway's LIFE
C48.11	MM.C	5k	Mastermind interesting guessing game
C48.12	MM.COM	7k	Mastermind interesting guessing game
C48.13	OTHELLO.C	11k	Game program
C48.14	OTHELLO.COM	12k	Game program
C48.15	PPONG.C	7k	"Polish Pong" bounce the ball <H>
C48.16	PPONG.COM	7k	"Polish Pong" bounce the ball <H>
C48.17	PRESSUP.C	8k	Game program
C48.18	PRESSUP.COM	8k	Game program
C48.19	R2.MAP	1k	Map for rally game <H>
C48.20	RALLY.C	10k	Road rally arcade game <H>
C48.21	RALLY.COM	10k	Object of C48.20 but hard-coded I/O needed
C48.22	RALLY.MAP	2k	Another map for C48.21 <H>
C48.23	STONE.C	10k	"Awari" game with computer opponent
C48.24	STONE.COM	9k	"Awari" game with computer opponent
C48.25	TABIFY.C	2k	Turn multiple spaces into CP/M tabs
C48.26	TABIFY.COM	6k	Turn multiple spaces into CP/M tabs
C48.27	TTT.C	7k	Tic-Tac-Toe that tests for best move
C48.28	TTT.COM	6k	Tic-Tac-Toe that tests for best move
C48.29	VOLUME48.DOC	3k	Leor's own comments

C49	-CATALOG.049	3k	CONTENTS OF CP/M VOL. 49
C49.01	4FDCBIOS.DOC	4k	Run CP/M 2.0+ on CDOS system
C49.02	4FDCBIOS.HEX	2k	Run CP/M 2.0+ on CDOS system
C49.03	4FDCBIOS.Z80	13k	Run CP/M 2.0+ on CDOS system
C49.04	4FDCBOOT.HEX	1k	Run CP/M 2.0+ on CDOS system
C49.05	4FDCBOOT.Z80	2k	Run CP/M 2.0+ on CDOS system
C49.06	ABSTRACT.049	11k	Abstracts of the files on this disk
C49.07	ASMDEF.RAT	1k	Used by LCAT, part of RATFOR
C49.08	ASTRO.FOR	6k	FORTRAN Astronomy program
C49.09	CDOS.DOC	10k	Comments on CDOS features
C49.10	CDOSCOPY.COM	2k	Disk copy pgrm for CDOS systems
C49.11	CDOSCOPY.DOC	2k	Disk copy pgrm for CDOS systems
C49.12	CDOSCOPY.HEX	4k	Disk copy pgrm for CDOS systems
C49.13	CDOSCOPY.PRN	26k	Disk copy pgrm for CDOS systems
C49.14	CDOSCOPY.Z80	12k	Disk copy pgrm for CDOS systems
C49.15	CONSTS.RAT	1k	Definitions of RATFOR constants
C49.16	F77.DOC	1k	FORTRAN 77 Documentation
C49.17	F77DEF.RAT	1k	FORTRAN 77 Functions
C49.18	F77LIB.FOR	2k	Definitions of intrinsic FORTRAN 77
C49.19	FILTER.Z80	3k	Emulate CDOS under standard CP/M
C49.20	FILTER.HEX	1k	Emulate CDOS under standard CP/M
C49.21	FILTER2.Z80	6k	Modified version of FILTER C49.19
C49.22	FILTER2.HEX	1k	Modified version of FILTER C49.19
C49.23	INDEX.Z80	2k	RATFOR Subroutine
C49.24	INDEXT.FOR	1k	Test for INDEX.Z80
C49.25	IOER.Z80	1k	Used by LCAT (RATFOR)
C49.26	LCAT.DOC	1k	Concatenate Microsoft .REL files
C49.27	LCAT.RAT	3k	Concatenate Microsoft .REL files
C49.28	MINV.DOC	2k	Matrix Inversion Determinant Calculator
C49.29	MINV.FOR	3k	Calculator, FORTRAN source code
C49.30	MINV.RAT	3k	Calculator, RATFOR source code
C49.31	RATCOMNS.RAT	2k	Used by RATFOR
C49.32	RATFOR.DOC	3k	Documentation of RATFOR
C49.33	RATFOR.FOR	40k	FORTRAN source code for RATFOR
C49.34	RATFOR.RAT	25k	RATFOR source code for RATFOR
C49.35	RATFOR.REL	17k	Microsoft REL file w/o library routines
C49.36	READLB.Z80	1k	Subroutine for SCOPY (RATFOR)
C49.37	RFQ.CMD	1k	CDOS equivalent of a submit file (^=\$)
C49.38	SCOPY.DOC	1k	Direct Disk I/O (RATFOR)
C49.39	SCOPY.FOR	2k	Direct Disk I/O FORTRAN source code
C49.40	SORTI.DOC	1k	Quicksort program (RATFOR)
C49.41	SORTI.FOR	2k	Quicksort FORTRAN Source code
C49.42	SORTI.RAT	3k	Quicksort RATFOR Source code
C49.43	TRNSLT.Z80	1k	Used by RATFOR

C50	-CATALOG.050	3k	Contents of CPMUG Volume 50
C50	ABSTRACT.050	4k	Abstracts of files
C50.01	COMPARE.COM	2k	File compare utility C40.12
C50.02	CPMDIR.C	2k	V7 UNIX C pgrm to print CP/M directory
C50.03	DISK.DOC	3k	Original Vol 50 doc file
C50.04	EQ.PAS	2k	Prints "eight queens problem" solutions
C50.05	FROMCPM.C	5k	V7 UNIX C program to read a CP/M file
C50.06	FWD.PAS	1k	Illustrates fwd procedure declarations
C50.07	HW5.PAS	15k	Builds an optimal binary search tree
C50.08	HW5DATA	1k	Sample data for HW5.PAS
C50.09	PASYNTEX.DOC	6k	Syntax graphs for Pascal compiler
C50.10	PC.SUB	1k	Submit file to compile a Pascal program
C50.11	PFET.COM	7k	P-code to 8080 translator
C50.12	PFET.PAS	11k	P-code to 8080 translator
C50.13	PHONE.C	1k	Phone number to word translator
C50.14	PLAYDATA	1k	Sample data for PLAYKAL.PAS below
C50.15	PLAYKAL.PAS	13k	Pascal game of Kalah
C50.16	POPS.DOC	2k	P-codes used by the compiler
C50.17	POWTWO.PAS	1k	Print negative powers of two
C50.18	PPC.COM	16k	Pascal to p-code compiler
C50.19	PPC.DOC	10k	Users manual for Pascal compiler
C50.20	PPC.PAS	26k	Source of Pascal compiler
C50.21	PSTACK.DOC	2k	Doc on the run time p-machine stack
C50.22	REGEN.DOC	3k	How to modify and compile the compiler
C50.23	RTP.ASM	11k	Source for the run time package
C50.24	RTP.COM	2k	Object of run time package
C50.25	SPEED.COM	5k	Disk buffering to gain speed
C50.26	SPEED2.COM	5k	Disk buffering for 2.x systems
C50.27	STIRLING.PAS	1k	Print powers of two Stirling numbers
C50.28	TESTER.PAS	4k	Tests functionality of Pascal compiler
C50.29	VALIDATE.SUB	1k	File to test your compiler
C50.30	RTP.ASM	11k	Source for run-time package
C50.31	RTP.COM	2k	Object for run-time package
C50.32	STIRLING.PAS	1k	Prints a table of Stirling Numbers
C50.33	TESTER.PAS	4k	Tests functionality of PPC
C50.34	VALIDATE.SUB	1k	Submit file to assure a "fertile" computer

C51	-CATALOG.051	3k	CONTENTS OF CP/M VOL. 51
C51.01	ABSTRACT.051	2k	Overview of volume
C51.02	ALX.S2M	16k	Assembly Language Extension macros
C51.03	ALX-.DOC	3k	Doc on ALX
C51.04	ALXTEST.ALX	3k	Sample macros to test ALX
C51.05	CIO.ALX	4k	Console I/O routines in ALX
C51.06	CRCK.COM	2k	Keith Petersen pgrm to CRC check files
C51.07	CRCKLIST.CRC	1k	Contains the CRCs for all files on disk
C51.08	DEMO.S2M	2k	Interactive STAGE2 demo macros
C51.09	DISKIO2.SRC	17k	Disk I/O for STAGE2 processor
C51.10	DISKIO2-.DOC	6k	DOC on STAGE2 Disk I/O
C51.11	FLD1.DAT	5k	Sample data for FLUB test
C51.12	FLD2.DAT	4k	Sample data for FLUB test
C51.13	FLT1.FLB	13k	Sample program for FLUB test
C51.14	FLT2.FLB	11k	Sample program for FLUB test
C51.15	FLUB\$.SUB	1k	Submit file for FLT1, FLT2, STG2
C51.16	FLUB8080.S2M	4k	Macros to turn FLUB into 8080 asm
C51.17	HELP.DOC	3k	First-timer's "to do" list
C51.18	IMPL.DOC	2k	Notes on implementing STAGE2
C51.19	INTERACT.S2M	2k	Another macro demo
C51.20	INTRO.DOC	22k	Sufficient info to "read" STAGE2 macros
C51.22	IOOP\$.SUB	1k	Submit for macro pass + asm of above
C51.21	IOOP.SRC	16k	I/O processor 8080 source
C51.23	MEMORY.INP	1k	Another macro demo
C51.24	ST2T.DAT	2k	STAGE2 file
C51.25	STAGE2.COM	12k	The executable macro processor itself
C51.26	STG2.FLB	48k	Source for STAGE2 in FLUB code
C51.27	STG2MATH.ASM	5k	STAGE2 support routines
C51.27	STG2SUP.ASM	5k	STAGE2 file

C51.29	TERM.ALX	8k	Sample BDBO terminal pgrm w/ALX macros
C51.30	TERMSUP.ASM	3k	Subroutines for TERM.ALX
C51.31	USE.DOC	2k	How to execute STAGE2
C51.32	VDB.ALX	6k	ALX TDL video driver -a "state machine"
C51.33	VOLUME51.DOC	5k	Dick Curtiss' excellent documentation

C52	-CATALOG.052	2k	CONTENTS OF CP/M VOL. 52
C52	ABSTRACT.052	3k	Abstracts of files on this disk
C52	CRCK.COM	2k	CRC program (see abstracts)
C52.01	BATCH.1	12k	SIL80 source for BATCH
C52.02	BATCH.3	10k	SIL80 source for BATCH
C52.03	BATCH.COM	2k	Batch (limited capability file)
C52.04	BATCH.CTL	1k	Control table for batch
C52.05	BATCH.HEX	5k	Batch hex file
C52.06	BATCH.RM	35k	Batch Reference Manual (.DOC)
C52.07	BATCH.SYM	21k	Batch Symbol Table
C52.08	CPYFST35.ABS	2k	Chuck's comments on Copyfast
C52.09	CPYFST35.ASM	26k	Source code for COPYFAST
C52.10	CPYFST35.DOC	28k	Documentation for COPYFAST
C52.11	CPYFST3F.COM	2k	Fast copy program for fast disks
C52.12	CPYFST3M.COM	2k	Fast copy program for medium disks
C52.13	CPYFST3S.COM	2k	Fast copy program for slow disks
C52.14	CRCKLIST.CRC	1k	CRC list of programs on this disk
C52.15	EXAMPLE.BAT	2k	Sample BATCH file
C52.16	VARBATCH.1	23k	SIL80 source for VARBATCH
C52.17	VARBATCH.3	10k	SIL80 source for VARBATCH
C52.18	VARBATCH.COM	3k	Object of VARBATCH
C52.19	VARBATCH.CTL	1k	Control table of VARBATCH
C52.20	VARBATCH.HEX	7k	Hex file of VARBATCH
C52.21	VARBATCH.SYM	29k	Symbol table of VARBATCH

C53	-CATALOG.053	2k	CONTENTS OF CP/M VOL. 053
C53.01	ADVCOMP.SUB	1k	BDS-C Adventure game
C53.02	ADVENT.C	5k	BDS-C Adventure game
C53.03	ADVENT.COM	10k	BDS-C Adventure game
C53.04	ADVENT.CRL	5k	BDS-C Adventure game
C53.05	ADVENT.H	6k	BDS-C Adventure game
C53.06	ADVENT1.DAT	18k	BDS-C Adventure game
C53.07	ADVENT2.DAT	7k	BDS-C Adventure game
C53.08	ADVENT3.DAT	7k	BDS-C Adventure game
C53.09	ADVENT4.DAT	4k	BDS-C Adventure game
C53.10	ADVENT5.DAT	6k	BDS-C Adventure game
C53.11	ADVENT6.DAT	18k	BDS-C Adventure game
C53.12	ADVLINK.SUB	1k	BDS-C Adventure game
C53.13	CATALOG.DOC	2k	BDS-C Adventure game
C53.14	DATABASE.C	7k	BDS-C Adventure game
C53.15	DATABASE.CRL	5k	BDS-C Adventure game
C53.16	EADVENT.C	1k	BDS-C Adventure game
C53.17	EADVENT.COM	24k	BDS-C Adventure game
C53.18	EADVENT.CRL	1k	BDS-C Adventure game
C53.19	ENGLISH.C	3k	BDS-C Adventure game
C53.20	ENGLISH.CRL	2k	BDS-C Adventure game
C53.21	ENVIRON.DOC	3k	BDS-C Adventure game
C53.22	ITVERB.C	4k	BDS-C Adventure game
C53.23	ITVERB.CRL	3k	BDS-C Adventure game
C53.24	MKADVENT.SUB	1k	BDS-C Adventure game
C53.25	MKEADVEN.SUB	1k	BDS-C Adventure game
C53.26	MKSAVEAD.SUB	1k	BDS-C Adventure game
C53.27	READ.ME	1k	BDS-C Adventure game
C53.28	SAVEADV.C	1k	BDS-C Adventure game
C53.29	SAVEADV.COM	7k	BDS-C Adventure game
C53.30	SAVEADV.CRL	2k	BDS-C Adventure game
C53.31	TURN.C	14k	BDS-C Adventure game
C53.32	TURN.CRL	10k	BDS-C Adventure game
C53.33	VERB.C	13k	BDS-C Adventure game
C53.34	VERB.CRL	8k	BDS-C Adventure game

C54	-CATALOG.054	5k	Contents of CP/M Users Group Volume 54
C54	ABSTRACT.054	21k	Abstracts of programs
C54	CRCK.COM	2k	CRC filecheck program
C54	CRCKLIST.054	3k	List of CRC's of files
C54.01	1CHECK.BAS	3k	Solitaire checker puzzle
C54.02	ALFABET2.BAS	2k	Interactive alphabetizing, expanded
C54.03	ALFABET1.BAS	1k	Original bugged version of C52.02
C54.04	ARITH.BAS	2k	Add & subtract for elementary students
C54.05	BIOCAL.BAS	4k	Biorythmic calendar (Bugs)
C54.06	BLKJAC.BAS	8k	Blackjack (21) game
C54.07	BOMBER.BAS	3k	WW2 Bomber game
C54.08	BOUNCE.BAS	2k	Plots a bouncing ball
C54.09	BUG.BAS	7k	'Draw Bugs faster than your computer'
C54.10	BULCOW.BAS	2k	Buggy program, number guessing game
C54.11	BUNNY.BAS	7k	Draws a 'bunny' on your CRT
C54.12	BUZZWD.BAS	3k	Selects a list of 'buzzwords'
C54.13	CHASE.BAS	4k	High Voltage survival game
C54.14	CHASE2.BAS	6k	Construct & maneuver in a maze
C54.15	CHOMP.BAS	3k	Eat pieces of a cookie, last loses
C54.16	CRAPS.BAS	3k	Standard Nevada table rules
C54.17	CUBE.BAS	5k	Get through the cube and win a bet
C54.18	DEFUSE.BAS	3k	Find and defuse the bomb before...
C54.19	DIAMND.BAS	1k	Fills screen with diamonds
C54.20	DRAW.BAS	3k	Buggy program -- see abstract
C54.21	DRINKS.BAS	2k	'How to mix drinks', see abstract
C54.22	FISHING.BAS	3k	A mini-adventure game
C54.23	FOOTBL.BAS	9k	Standard rules, except no penalties
C54.24	FRACT.BAS	2k	Fraction mathematics
C54.25	GRAFIT.BAS	1k	Some kind of student plotting program
C54.26	GUNNER.BAS	2k	Fire a field artillery weapon, bugs
C54.27	HOCKEY.BAS	6k	For hockey fans
C54.28	HORSES.BAS	4k	Place your bets on the horse races
C54.29	INTEREST.BAS	1k	Simple and compound interest calculator
C54.30	KING.BAS	10k	Your chance to be the boss!
C54.31	LITQZ.BAS	2k	CAI Childrens Literature Qnterest calculator
C54.30	KING.BAS	10k	Your chance to be the boss!
C54.31	LITQZ.BAS	2k	CAI Childrens Literature Quiz
C54.32	MATH.BAS	2k	Math test or quiz?
C54.33	MUGWMP.BAS	2k	Find 4 mugwmps hiding in a 10 x 10 grid
C54.34	PICTUR.BAS	3k	Draws your name and picture???
C54.35	POET.BAS	2k	Produces verse from random phrases
C54.36	POKER.BAS	8k	Play poker with the computer
C54.37	PRIME.BAS	1k	Prints prime numbers from 1 to 10,000
C54.38		5k	deleted
C54.39	QUBIC.BAS	7k	3D Tic tac toe on a 4X4 cube
C54.40	REVRSE.BAS	3k	Reverse a number list??
C54.41	ROCKET.BAS	4k	A lunar lander with a bad fuel gauge
C54.42	ROCKT1.BAS	3k	Lunar lander, graphs your descent
C54.43	SNOOPY.BAS	4k	SNOOPY picture with your name under it
C54.44	SPORTS.BAS	3k	CAI w/multiple choice sports questions
C54.45	STARS.BAS	2k	Number Guessing Game by Bob Albrecht
C54.46	STOCK.BAS	8k	Stock Market simulation program
C54.47	TAKEAWAY.BAS	2k	Multi-player game
C54.48	TDRILL.BAS	5k	Typing drill using data lists
C54.49	TENNIS.BAS	4k	CAI drill on tennis (ala SPORTS.BAS)
C54.50	TEXT.BAS	2k	Information prgm about these programs
C54.51	TICTAC.BAS	5k	Expanded TTT game on a 9 X 9 grid
C54.52	TRAP.BAS	2k	Guess the mystery number game
C54.53	TTTOE.BAS	3k	Standard Tic tac toe game
C54.54	TVPLOT.BAS	3k	Produces various funny TV plots
C54.55	TYPING.BAS	1k	Typing drill with a random generator
C54.56	WEKDAY.BAS	4k	Day of the week that you were born
C54.57	WISHES.BAS	3k	Wish poem writing program for children

C56 <see S02>
 C57 <see S11>
 C58 <see S04>
 C59 <see S05>
 C60 <see S06>
 C61 <see S07>
 C62 <see S08>
 C63 <see S09>
 C64 <see S10>
 C65 <see S13>
 C66 <see S14>
 C67 <see S15>
 C68 <see S16>
 C69 <see S17>
 C70 <see S18>
 C71 <see Z01>
 C72 <see Z02>
 C73 <see Z03>
 C74 <see Z04>
 C75 <see Z05>
 C76 <see Z06>
 C77 <see Z07>

C78	-CATALOG.078	3K	CONTENTS OF CP/M VOL. 078
C78	ABSTRACT.078	8K	Abstracts of programs
C78	U-G-FORM.LIB	5K	Users Group submission form
C78	VOLUME78.DOC	8K	DOC on programs w/no other documentation
C78.01	/.ASM	4K	Quickie SUBMIT from command line
C78.02	/.COM	1K	Quickie SUBMIT from command line
C78.03	/DUP.COM	1K	Same as /.ASM but w/second copy of \$\$\$SUB
C78.04	BMAPORIG.ASM	10K	Prints 2.2 disk allocation bit map
C78.05	BMAPORIG.COM	1K	Prints 2.2 disk allocation bit map
C78.06	CRCK.COM	2K	to check files on this disk
C78.07	CRCKLIST.078	2K	File of all file CRC's
C78.08	D.COM	3K	Type D to see if files have been lost
C78.09	DUH.COM	10K	Disk Utility for the H/Z-89
C78.10	DUH.Z80	3K	Source for DU relocater
C78.11	DUU.ASM	51K	Disk Utility Universal, works
C78.12	DUU.COM	7K	with 1.4 and 2.2
C78.13	DUU.DOC	14K	DOC on above
C78.14	EPROM.ASM	8K	SSM PB1 PROM prog. rtn
C78.15	EPROM.DOC	2K	DOC on above
C78.16	FMAP.COM	4K	File map w/1024 dir entries & CP/M 1.4 or 2.2
	IF.COM	1K	

C78.18	LPRINT.ASM	2K	Paginated file output to LIST
C78.19	MAKE.ASM	12K	Make a file a different user #
C78.20	NOTATE.ASM	3K	Add comments to an .ASM file
C78.21	NOTATE.COM	1K	.COM of above
C78.22	PATCH.ASM	3K	Patch CP/M to show user: "AO>"
C78.23	REPEAT.COM	1K	Repeat a SUBMIT "nn" times
C78.24	SDCOPY.ASM	10K	Single-disk file copy program
C78.25	SDCOPY.COM	1K	Single-disk file copy program
C78.26	SDCOPY.DOC	3K	Doc for single disk file copy program
C78.27	SWAPCOPY.ASM	14K	Another single disk file copy program
C78.28	SWAPCOPY.COM	2K	Single disk file copy program
C78.29	SWAPCOPY.DOC	3K	Doc for single disk copy program
C78.30	TestProt.BAS	1K	Sample to test UN.COM
C78.31	UN.COM	5K	Unprotect MBASIC programs
C78.32	XREFPRN.ASM	23K	Prints cross-ref from PRN file to List device
C78.33	XREFPRN.COM	3K	Prints cross-ref from PRN file to LIST device

C79	CATALOG.079	2K	CONTENTS OF CPMUG VOL. 079
C79	UGFORM.LIB	4K	CPMUG program submittal form
C79	CRCKFILE.079	1K	CRC file for verification
C79	CRCK.COM	2K	CRC check program
C79.01	MODEM7.DOC	16K	Doc for MODEM 7 - Originally from CPMUG Vol 47
C79.02	MODEM7.LIB	14K	MACLIB file for use with MODEM741.ASM
C79.03	MODEM741.ASM	66K	Assembler source for MODEM version 7.41
C79.04	MODEM741.COM	10K	Object code of above program
C79.05	MODEM741.SET	4K	Patching instructions for MODEM741.COM
C79.06	MODEM7X.BUG	1K	Bug report
C79.07	SMODEM37.ASM	85K	Assembler source for SMODEM version 3.7
C79.08	SMODEM37.DOC	26K	Documentation for the above program

C80	-CATALOG.080	2k	CONTENTS OF CPMUG VOL. 080
C80	ABSTRACT.080	5k	Volume abstract
C80	CRCK.COM	2K	CRC program
C80	FILES.CRC	1K	CRC of files on this disk
C80	U-G-FORM.LIB	5K	CPMUG submission form
C80.01	BACKUP.STB	2K	Part of mail list system
C80.02	CEDIT.STB	6K	Part of spelling program
C80.03	CHECK.DAT	2K	Part of spelling program
C80.04	CONV-ASC.STB	8K	Convert MBASIC to Cromemco structured BASIC
C80.05	CONV-BAS.STB	6K	Convert MBASIC to Cromemco structured BASIC
C80.06	DATE.STB	2K	Part of mail list system
C80.07	DEDIT.STB	10K	Part of spelling program
C80.08	DICTION.DAT	2K	Part of spelling program
C80.09	GRADER.STB	12K	Text evaluation program
C80.10	MMENU.STB	4K	Part of mail list system
C80.11	PRN-TEST.STB	2K	Printer test program
C80.12	REC-EDIT.STB	10K	Part of mail list system
C80.13	REC-PRN.STB	8K	Part of mail list system
C80.14	SMENU.STB	2K	Part of spelling program
C80.15	SORTS.STB	8K	Sort routines
C80.16	SPEAR.STB	2K	Statistics program
C80.17	SPELL.STB	6K	Part of spelling program
C80.18	STAT.STB	10K	Statistics program
C80.19	TRADE.STB	20K	Game prog with no GOTOs!
C80.20	TRANSFER.STB	4K	Part of spelling program
C80.21	TREK.STB	24K	Yes, Startrek
C80.22	TRK-HELP.STB	16K	More Startrek stuff
C80.23	UTILITY.STB	6K	"Unnum" and renum BASIC progs
C80.24	WORDLIST.TXT	40K	Part of spelling program
C80.25	X2.STB	2K	Statistics program
C80.26	ZIPSORT.STB	2K	Part of mail list system

C81	-CATALOG.081	1k	Contents of CP/M Vol. 81
C81	ABSTRACT.081	3k	Abstract of files on volume 81.
C81	CRCK.COM	2K	Produce CRC of files

C81	U-G-FORM.LIB	5K	CPMUG submission form
C81.01	AUTOLOAD.COM	10K	Write initial CP/M command into CCP on disk
C81.02	AUTOLOAD.DOC	3K	Write initial CP/M command into CCP on disk
C81.03	BACKUP.ASM	28K	Backup hard disk to multiple floppy disks
C81.04	BACKUP.DOC	7K	Backup hard disk to multiple floppy disks
C81.05	BAUDSET.ASM	7K	Set baudrate for serial board
C81.06	BAUDSET.DOC	2K	Set baudrate for serial board
C81.07	EDITM.ASM	25K	Update of C16 editor, with new features
C81.08	EDITM.COM	3K	Update of C16 editor, with new features
C81.09	EDITM.DOC	4K	Doc on new C16 editor
C81.10	FLOPCOPY.ASM	16K	Copy floppy via hard disk w/1 floppy drive
C81.11	FLOPCOPY.DOC	2K	Copy floppy via hard disk w/1 floppy drive
C81.12	POW2.ASM	42K	"Processor of Words" - text processing program
C81.13	POW2.COM	5K	Text processing program
C81.14	POW2.DOC	4K	Text processing program
C81.15	POW2.MAN	23K	Manual on above
C81.16	POW2.TST	2K	Test document
C81.17	SUPERSUB.ASM	22K	Super submit program, allowing nested submits
C81.18	SUPERSUB.COM	3K	Super submit, allowing nested submits
C81.19	SUPERSUB.DOC	15K	Doc on Super submit

C82	-CATALOG.082	1K	Contents of CPMUG Vol. 082
C82	ABSTRACT.082	3K	Volume 82 abstract
C82	CRCK.COM	2K	CRC check program
C82	FILES.CRC	1K	CRC of files on disk
C82	U-G-FORM.LIB	5K	CPMUG contribution form
C82.01	MBIOS56.ASM	53K	Bios with PMMI MODEM drivers
C82.02	NBIOS56.ASM	55K	North Star BIOS
C82.03	NSBIOS.DOC	16K	DOC on above
C82.04	NSCOPY.ASM	35K	Disk format and copy program
C82.05	NSGEN.ASM	12K	Sysgen program
C82.06	SDNBIOS.ASM	21K	Single density N* BIOS
C82.07	SDNBOOT.ASM	2K	Single density N* BOOT
C82.08	SDNSGEN.ASM	11K	Single density N* SYSGEN
C82.09	SDNUSER.ASM	8K	Single density N* user area

C83	-CATALOG.083	3K	CONTENTS OF CPMUG VOL. 83
C83	ABSTRACT.083	3K	Abstract of volume
C83	CRCK.COM	2K	CRC check program
C83	FILES.CRC	2K	CRC of files on disk
C83	U-G-FORM.LIB	5K	CPMUG contribution form
C83.01	ARITH%.MUS	6K	muMATH arithmetic
C83.02	ATRG.TRG	2K	muMATH inverse trig functions
C83.03	INT%.DIF	1K	muMATH integrals
C83.04	LIM%.DIF	1K	muMATH limits
C83.05	LOG%.ALG	1K	muMATH logarithms
C83.06	MUMATH%.DOC	12K	explanations of the files
C83.07	SERIES%.DIF	10K	muMATH infinite series
C83.08	SOLVE4%.EQN	5K	muMATH solution of equations
C83.09	TRGNEG%.ALG	3K	muMATH trigonometric functions
C83.10	APPENDIX.DOC	11K	Appendix to CMATH/DOC. matrix math & circuits
C83.11	CMATH.DOC	13K	Doc for complex math files except COMCALC/BAS
C83.12	COMCALC.BAS	12K	Source for "calculator" mode complex math
C83.13	COMCALC.INT	5K	Compiled COMCALC/BAS
C83.14	COMDISK.DOC	6K	DOC for complex subroutines XXXXXX.SRT
C83.15	DIVCOM.SRT	1K	Divide two complex quantities
C83.16	LPFILTAN.BAS	8K	Source code for multipole filter analysis
C83.17	LPFILTAN.INT	4K	Compiled LPFILTAN.BAS
C83.18	MPYCOM.SRT	1K	Multiply two complex quantities
C83.19	MTXMPY.SRT	1K	Matrix multiplication
C83.20	PAR/SER.SRT	1K	Parallel to serial impedance convert
C83.21	POL/REC.SRT	1K	Complex polar to rectangular convert
C83.22	REC/POL.SRT	1K	Complex rectangular to polar convert
C83.23	REFC/Z.SRT	1K	Reflection coefficient to Z conv
C83.24	SER/PAR.SRT	1K	Serial to parallel impedance convert
C83.25	SMATX.SRT	2K	convert S matrix to X matrix

C83.26	XMATS.SRT	2K	Convert X matrix to S matrix
C83.27	YZZY.SRT	2K	convert Y to Z or Z to Y matrix
C83.28	Z/REFC.SRT	1K	Z to reflection coefficient convert
C83.29	ZXXZ.SRT	1K	Convert Z to X or X to Z matrix
C83.30	CONTENT.DSK	3K	Brief description of disk contents.
C83.31	CPMFN.MAC	12K	Microsoft M80 source for part of CPMLIB
C83.32	CPMFN.REL	1K	Assembled version of CPMFN.MAC
C83.33	CPMFNA.MAC	3K	Microsoft M80 source for part of CPMLIB
C83.34	CPMFNA.REL	1K	Assembled version of CPMFNA.MAC
C83.35	CPMINT.FOR	30K	Microsoft F80 source for part of CPMLIB
C83.36	CPMINT.REL	5K	Compiled version of CPMINT.FOR
C83.37	CPMLIB.DOC	17K	Documentation on the use of CPMLIB
C83.38	CPMLIB.MOD	4K	Doc on how to modify functions of CPMLIB
C83.39	CPMLIB.REL	6K	Library to interface FORTRAN-80 to CP/M BDOS
C83.40	TEST.FOR	5K	FORTRAN source for program to test library
C84	-CATALOG.084	2k	Contents of CPMUG Volume 84
C84	ABSTRACT.084	3k	Abstracts of files on this disk
C84	CRCK.COM	2K	Program for checking CRC's of files
C84	CRCKLIST.084	1K	CRCK's of files on this disk
C84	U-G-FORM.LIB	5K	Program submittal form
C84.01	MODEM7.DOC	16K	Documentation for MODEM program
C84.02	MODEM76.LIB	14K	Macro library used with MODEM 7.65
C84.03	MODEM76.SET	6K	Instructions for "hot-patching" MODEM
C84.04	MODEM765.ASM	63K	Macro assembler source code for MODEM 7.65
C84.05	MODEM765.COM	10K	Object code of MODEM 7.65
C84.06	SEQIO22.LIB	18K	Macro library used with XMODEM 5.0
C84.07	XMODEM47.DOC	3K	Documentation for XMODEM program
C84.08	XMODEM50.ASM	49K	Assembler source code for XMODEM 5.0
C84.09	XMODEM51.FIX	1K	Notes on a bug fix for XMODEM
C85	-CATALOG.085		CONTENTS OF CP/M VOL. 085
C85	ABSTRACT.085		Abstracts of files on this disk.
C85	CRCK.COM		CRC file checking program.
C85	CRCKLIST.085		List of CRC's for files on this disk.
C85.01	BYE79.ASM	78K	8080 Assembler source code for BYE 7.9
C85.02	BYE79.DOC	15K	Documentation for BYE 7.9
C85.03	SD-44.ASM	48K	8080 Assembler source code for SD 4.4
C85.04	SD-44.COM	2K	Assembled 085.3 (for those without MAC)
C85.05	SD-44.DOC	14K	Documentation for SD 4.4
C85.06	SQ-16.COM	16K	8080 object file for SQUEEZE 1.6
C85.07	SQUEEZ16.DOC	23K	Documentation for SQUEEZE and UNSQUEEZE programs
C85.08	USQ-19.COM	12K	8080 object file for UNSQUEEZE 1.9
C86	-CATALOG.086	2K	CONTENTS OF CP/M VOL. 086
C86	ABSTRACT.086	3K	Release to public domain of BMII
C86	U-G-FORM.LIB	5K	Users Group Submission Form
C86	CRCKLIST.086	2K	File of all file CRC's
C86	CRCK.COM	2K	To check files on this disk
C86.01	APPENDA.DOC	2K	Diskette handling tips for novices
C86.02	APPENDB.DOC	3K	Disk File Capacities
C86.03	APPENDC.DOC	4K	Data File Diskette set-up
C86.04	APPENDD.DOC	2K	Programs not Accessed through the Menu
C86.05	APPENDE.DOC	10K	Compilation of businessMaster II progs
C86.06	APPENDF.DOC	18K	General File Information
C86.07	APPENDG.DOC	14K	Forms for establishing acct. #'s etc
C86.08	APPENDH.DOC	2K	How to increase size of a data file
C86.09	GLOSSARY.DOC	7K	Glossary of terms
C86.10	HIERARCH.DOC	12K	What program calls what program, and where
C86.11	NEW.DOC	132K	Comprehensive overall system doc
C87	-CATALOG.087	4K	CONTENTS OF CPMUG VOL. 87
C87	U-G-FORM.LIB	5K	Users Group Submission Form
C87	CRCKLIST.087	2K	File of all file CRC's
C87	CRCK.COM	2K	To check files on this disk
C87	COMPILE.SUB	2K	To compile all programs

C87.01	ALL.BAS	1K	Include FORMAT and CONTROL
C87.02	BIZMII.BAS	4K	Master Menu Businessmaster II (bizmii)
C87.03	CHECK.BAS	2K	Check for needed files
C87.04	CONTROL.BAS	1K	Set up control characters for terminal
C87.05	FORMAT.BAS	1K	Set common and formats
C87.06	READFILE.BAS	1K	Read name, date, formats and tabs
C87.07	CGDEPCAL.BAS	6K	Depreciation Calculator
C87.08	CGENTRY.BAS	11K	Capital Goods (Fixed Asset) Entry Program
C87.09	CGFM4562.BAS	3K	IRS Form 4652 - Depreciation Printer
C87.10	CGRPT.BAS	4K	Depreciation Report Printer
C87.11	CGSORT.BAS	3K	Capital Goods Entry Sort Program
C87.12	CRLABELS.BAS	3K	Cust. mailing label printing program
C87.13	DAENTRY.BAS	5K	Date Entry Program
C87.14	EFENTRY.BAS	8K	Federal Tax Table Entry Program
C87.15	EPCUTS.BAS	5K	Payroll Cutoff and % Entry Program
C87.16	EPLABELS.BAS	3K	Empl. mailing label printing program
C87.17	EPTABS.BAS	7K	Payroll Check Tab Entry Program
C87.18	ESENTRY.BAS	11K	Cal. State Tax Table Entry Program
C87.19	FGALERT.BAS	4K	Finished Goods Inventory Alert Printer
C87.20	FGENTRY.BAS	11K	Finished Goods Inventory Entry Program
C87.21	FGRPT.BAS	4K	Finished Goods Inventory Report Printer
C87.22	FGSORT.BAS	3K	Finished Goods Entry Sort Program
C87.23	FMTENTRY.BAS	5K	\$ and % Format Entry Program
C87.24	GLHENTRY.BAS	11K	General Ledger Heading Entry Program
C87.25	GLHSORT.BAS	3K	G/L Heading Entry Sort Program
C87.26	GLSENTY.BAS	11K	G/L Subheading Entry Program
C87.27	GLSSORT.BAS	3K	G/L Subheading Entry Sort Program
C87.28	MAENTRY.BAS	9K	Mailing List Name Entry Program
C87.29	MALABELS.BAS	3K	Mailing label printing program
C87.30	MASORT.BAS	3K	Mailing List Entry Sort Program
C87.31	MASTER4.BAS	3K	Inventory Menu
C87.32	MASTER6.BAS	2K	Mailing List Menu
C87.33	MASTER7.BAS	3K	Initialization Routines Menu
C87.34	MASTER8.BAS	1K	Periodic Maintenance Menu
C87.35	MASTER9.BAS	1K	General Ledger Heading Menu
C87.36	MASTER15.BAS	1K	Check Tabs and Cutoffs Menu
C87.37	MASTER16.BAS	2K	Fixed Asset Accounting Menu
C87.38	MMAINT.BAS	5K	Monthly File Maintenance Program
C87.39	NAMENTRY.BAS	9K	Company Name Entry Program
C87.40	NMSORT.BAS	3K	Company Name Entry Sort Program
C87.41	QMAINT.BAS	6K	Quarterly File Maintenance Program
C87.42	RGALERT.BAS	4K	Raw Goods Inventory Alert Printer
C87.43	RGENTRY.BAS	11K	Raw Goods Inventory Entry Program
C87.44	RGRPT.BAS	4K	Raw Goods Inventory Report Printer
C87.45	RGSORT.BAS	3K	Raw Goods Entry Sort Program
C87.46	TAENTRY.BAS	7K	General Ledger Tab Entry Program
C87.47	VPLABELS.BAS	3K	Mailing label printing program
C87.48	YMAINT.BAS	6K	Yearly File Maintenance Program

C88	-CATALOG.088	4K	CONTENTS OF CPMUG VOL. 088
C88	U-G-FORM.LIB	5K	Users Group Submission Form
C88	CRCKLIST.088	2K	File of all file CRC's
C88	CRCK.COM	2K	To check files on this disk
C88.01	CG.	6K	Cost of goods sold file
C88.02	CGSIZE.	1K	# in use + max size of above
C88.03	CHK.	1K	?? next check # to write??
C88.04	CR.	9K	Customer receivables file
C88.05	CRSIZE.	1K	# in use + max size of CR file
C88.06	DATE.	1K	Date information
C88.07	EDEP.	4K	Federal deposit record
C88.08	EDEPSIZE.	1K	# in use + max size of EDEP file
C88.09	EF.	1K	Federal Withholding Tables
C88.10	EP.	11K	Consolidated employee payroll
C88.12	EPSIZE.	1K	# in use + max size of EP file
C88.11	EPC.	1K	Payroll cutoff amounts
C88.13	EPT.	1K	Payroll cutoff amounts

C88.14	ES.	1K	California Withholding Tables
C88.15	FG.	6K	Finished goods inventory
C88.16	FGSIZE.	1K	# in use + max size of FG file
C88.17	GL.	14K	General ledger file
C88.29	GLSIZE.	1K	# in use + max size of GL file
C88.18	GLCD.	6K	Check disbursements
C88.19	GLCDSIZE.	1K	# in use + max size of GLCD file
C88.20	GLCK.	2K	Check receipts
C88.21	GLCKSIZE.	1K	# in use + max size of GLCK file
C88.22	GLF.	1K	General ledger formats
C88.23	GLH.	2K	General ledger heading file
C88.24	GLHSIZE.	1K	# in use + max size of GLH file
C88.25	GLJO.	13K	General journal gljo
C88.26	GLJOSIZE.	1K	# in use + max size of GLJO file
C88.27	GLREF.	1K	General Ledger Account # Reference File
C88.28	GLS.	4K	General ledger subheading file
C88.30	GLSSIZE.	1K	# in use + max size of GLS file
C88.31	GLT.	1K	General ledger report tabs
C88.32	INV.	1K	Invoice # File
C88.33	IR.	9K	Invoice register
C88.34	IRSIZE.	1K	# in use + max size of IR file
C88.35	MAD.	8K	Mailing list file
C88.36	MADSIZE.	1K	# in use + max size of MAD file
C88.37	NM.	1K	Company Name File
C88.38	NMSIZE.	1K	# in use + max size of NM file
C88.39	PO.	3K	Purchase order register
C88.41	POSIZE.	1K	# in use + max size of PO file
C88.40	POE.	1K	Purchase order numbers
C88.42	TM.	3K	Time card record
C88.43	VP.	5K	Vendor payables file
C88.44	VPSIZE.	1K	# in use + max size of VP file
C88.44A	ALL.BAS	1K	Include FORMAT and CONTROL
C88.44B	BIZMII.BAS	4K	Master Menu Businessmaster II (bizmii)
C88.44C	CHECK.BAS	2K	Check for needed files
C88.44D	CONTROL.BAS	1K	Set up control characters for terminal
C88.44E	FORMAT.BAS	1K	Set common and formats
C88.44F	READFILE.BAS	1K	Read name, date, formats and tabs
C88.44G	COMPILE.SUB	1K	To compile all following programs
C88.45	EPCHECKS.BAS	4K	Payroll Check Printer
C88.46	EPCLEAR.BAS	1K	Employee payroll clearing program
C88.47	EPDPOSIT.BAS	8K	Federal Tax Deposit Entry Program
C88.48	EPENTRY.BAS	14K	Employee Payroll Record Entry Program
C88.49	EPJOPOST.BAS	6K	Payroll Journal Posting Program
C88.50	EPJOTRAN.BAS	9K	Payroll Calculation Program
C88.51	EPLIST.BAS	3K	Payroll File Listing Program
C88.52	EPSORT.BAS	5K	Employee Info Entry Sort Program
C88.53	EPSUMMARY.BAS	5K	Payroll Register Printer
C88.54	FED941PR.BAS	5K	Federal Form 941 Quarterly Tax Return Printer
C88.55	MASTER14.BAS	2K	Payroll Entry and Calculation Menu
C88.56	MASTER5.BAS	3K	Employee Payroll Menu
C88.57	TMENTRY.BAS	10K	Payroll Time Card Entry Program
C88.58	W2PRINT.BAS	5K	Federal W2 Printer

C89	-CATALOG.089	2K	CONTENTS OF CPMUG VOL. 089
C89	U-G-FORM.LIB	5K	Users Group Submission Form
C89	CRCKLIST.089	2K	File of all file CRC's
C89	CRCK.COM	2K	To check files on this disk
C89	COMPILE.SUB	1K	To compile all following programs
C89.01	ALL.BAS	1K	Include FORMAT and CONTROL
C89.02	BIZMII.BAS	4K	Master Menu@Businessmaster II (bizmii)
C89.03	CHECK.BAS	2K	Check for needed files
C89.04	CONTROL.BAS	1K	Set up control characters for terminal
C89.05	FORMAT.BAS	1K	Set common and formats
C89.06	READFILE.BAS	1K	Read name, date, formats and tabs
C89.07	CRENTRY.BAS	12K	Customer Information Entry Program
	CRFMINV.BAS	7K	Form t d Invoice Printing Program

C89.09	CRJOLIST.BAS	8K	Invoice Register Printing Program
C89.10	CRJOPOST.BAS	5K	Accounts Receivable Posting Program
C89.11	CRJOTRAN.BAS	13K	Order/Invoice Entry Program
C89.12	CRLABELS.BAS	3K	Customer mailing label printing program
C89.13	CRPPINV.BAS	7K	Preprinted Invoice Printing Program
C89.14	CRRPT.BAS	4K	Aged Accounts Receivable Statement Printer
C89.15	CRSORT.BAS	3K	Customer Information Entry Sort Program
C89.16	INVENT.BAS	1K	Invoice Number Sequencing Entry Program
C89.17	MASTER2.BAS	3K	Accounts Receivable/Customer Menu
C89.18	MASTER3.BAS	3K	Accounts Payable/Vendor Menu
C89.19	POENT.BAS	1K	Purchase Order # Sequencing Entry Program
C89.20	VPENTRY.BAS	12K	Vendor Information Entry Program
C89.21	VPFMPO.BAS	7K	Formatted Purchase Order Printing Program
C89.22	VPJOLIST.BAS	8K	Purchase Order Register Printing Program
C89.23	VPJOPOST.BAS	5K	Accounts Payable Posting Program
C89.24	VPJOTRAN.BAS	13K	Purchase Order Entry Program
C89.25	VPLABELS.BAS	3K	Mailing label printing program
C89.26	VPPPO.BAS	7K	Preprinted Purchase Order Printing Program
C89.27	VPRPT.BAS	4K	Aged Accounts Payable Statement Printer
C89.28	VPSORT.BAS	3K	Vendor Information Entry Sort Program

C90	-CATALOG.090	3K	CONTENTS OF CPMUG VOL. 090
C90	U-G-FORM.LIB	5K	Users Group Submission Form
C90	CRCKLIST.090	1K	File of all file CRC's
C90	CRCK.COM	2K	To check files on this disk
C90	COMPILE.SUB	1K	To compile all following programs
C90.01	ALL.BAS	1K	Include FORMAT and CONTROL
C90.02	BIZMII.BAS	4K	Master Menu Businessmaster II (bizmii)
C90.03	CHECK.BAS	2K	Check for needed files
C90.04	CONTROL.BAS	1K	Set up control characters for terminal
C90.05	FORMAT.BAS	1K	Set common and formats
C90.06	READFILE.BAS	1K	Read name, date, formats and tabs
C90.07	GCINCOME.BAS	11K	Comparative Income Statement Printer
C90.08	GDHECKS.BAS	4K	General Check Printer
C90.09	GLBALSHT.BAS	5K	General Ledger Balance Sheet Printer
C90.10	GLBUDGET.BAS	3K	General Ledger Budget Analysis Printer
C90.11	GLCDPOST.BAS	9K	Check Disbursement Posting Program
C90.12	GLCDSORT.BAS	4K	Check Disbursements Entry Sort Program
C90.13	GLCDTRAN.BAS	15K	Check Disbursements Journal Entry Program
C90.14	GLCHART.BAS	4K	General Ledger Chart of Accounts Printer
C90.15	GLCKPOST.BAS	9K	Check Receipt Posting Program
C90.16	GLCKSORT.BAS	4K	Check Disbursements Entry Sort Program
C90.17	GLCKTRAN.BAS	14K	Check Rcpts Journal Trans. Entry Program
C90.18	GLCLEAR.BAS	1K	Clear all DOLLAR values in the GL file
C90.19	GLENTY.BAS	11K	General Ledger Entry Program
C90.20	GLINCOME.BAS	10K	Income Statement Printer
C90.21	GLJOPOST.BAS	9K	General Journal Posting Program
C90.22	GLJOSORT.BAS	4K	General Journal Sorting Program
C90.23	GLJOTRAN.BAS	13K	General Journal Trans. Entry Program
C90.24	GLSORT.BAS	3K	General Ledger Entry Sort Program
C90.25	GLTBAL.BAS	6K	General Ledger Trial Balance Printer
C90.26	MASTER1.BAS	3K	General Ledger/General Journal Menu
C90.27	MASTER11.BAS	2K	General Journal Menu
C90.28	MASTER12.BAS	1K	Check-Cash Receipts-Disbursements Menu

C91	-CATALOG.091		CONTENTS OF CP/M VOL. 91
C91	ABSTRACT.091		Abstract of volume contents.
C91	FILES.CRC		CRC of all files on disk
C91	CRCK.COM		CRC generator (CRCK *.* F)
C91.01	ARIT.COM	26K	Executable arithmetic functions
C91.02	ARIT.FOR	4K	Arithmetic functions
C91.03	ARIT#.SUB	1K	Submit file
C91.04	DISKIO.BAS	2K	Disk file I/O in BASIC
C91.05	FFT.COM	21K	Executable FFT program
C91.06	FFT.FOR	27K	1024 point FFT
C91.07	FFT#.SUB	4K	Submit file

C91.08	HI.FOR	6K	DMP2 driver
C91.09	HIA.MAC	2K	DMP2 driver
C91.10	NAME.FOR	1K	Filename getter
C91.11	PLOT.FOR	4K	Plotter plot routine
C91.12	PRINT80.COM	9K	COM of PRINT80.FOR
C91.13	PRINT80.DOC	1K	DOC PRINT80.FOR
C91.14	PRINT80.FOR	4K	Compresses M80 PRN files
C91.15	PRINT80.REL	4K	REL of PRINT80.FOR
C91.16	PRINT81.COM	10K	COM of PRINT81.FOR
C91.17	PRINT81.FOR	6K	Print FORTRAN & ASM w/page ejects & titles
C91.18	PRINT81.REL	5K	REL of PRINT81.FOR
C91.19	QCHEK.MAC	1K	Checks for abort [Q] command
C91.20	SPECTRUM.DOC	17K	Documentation
C91.21	TTYPLOT.FOR	5K	Printer plot routine
C91.22	TWIDDLE.FOR	2K	Generates twiddle factor table
C91.23	UTIL.FOR	8K	Utility program
C91.24	UTIL#H.SUB	1K	Submit file
C91.25	UTIL#T.SUB	1K	Submit file
C91.26	UTIL-HI.COM	25K	DMP2 version of UTIL.COM
C91.27	UTIL-TTY.COM	24K	TTY version of UTIL.COM
C91.28	WIND.FOR	5K	Window functions

C>D

C USERS GROUP LIBRARY INDEX

Vol	Name	Contents
01	SMALL-C COMP 1.0	Small-C compiler, version 1.0
02	SMALL-C COMP 2.0	Small-C compiler, version 2.0
03	GAMES 1	Life, Jotto, Mastermind, Rally, Tic-tac-toe, Yahtzee
04	UTILITIES 1	Disk util, directory, KWIC, file compare, compress
05	UTILITIES 2	Word processor, file contat, compare, search, tabify
06	FUNCTIONS 2	BIOS tinkering, I/O redirection, string- bit-manip
07	FUNCTIONS 1	Long integer, floating-point, trig, redir I/O
08	FUNCTIONS 3	Log, trig, floating-point
09	UTILITIES 3 (YAM)	YAM (Yet Another Modem) and utilities
10	UTILITIES 4	More Utilities
11	UTILITIES 5	Disk analysis, Disk Doctor, New Run-Off
12	TOOLS 1	Archive, Directed I/O, date, pre-processor
13	MARTZ LIBRARY	More utilities
14	CITADEL 1	Computer Bulletin-Board, Run-time
15	CITADEL 2	Computer Bulletin-Board, Source code
16	UTILITIES IV	Binary calc, count, CRCK4, disk editor
17	COMPILER UTILITIES	META4 compiler, cross-reference, pretty-printer
18	PISTOL	Portably Implemented Sack Oriented Language
19	MISC 1	does not include kitchen sink
20	(untitled)	BDOS, BIOS stuff, DiskIO, disk patch, long
21	GAMES 2	Backgammon, Hangman, Othello, Pacman, Pong, Wumpus
22	ROFF V4.0	Run-Off formatting-printing program
23	RAP	Text formatter
24	TEX	Text formatter for FancyFont & Epson MX-***
25	VIDEO TERM LIBRARY	& Word Processor, Tic-tac-toe, deflection game
26	REAMS EDITOR BDS C	Ed Reams Text Editor source in BDS C
27	REAMS ED SMALL-C	Ed Reams Text Editor source in Small-C
28	AG1	Patches to Mince, Crayon & Scribble
29	JUST LIKE MOM'S	QED Editor, File encryption, Pack, Unpack
30	6800/1800 ASM	Cross-assemblers in C, disk surgery
31	ADVENTURE	Complete game source and data

Software Tools in RATFOR

901	DOCUMENTATION
902	PRIMITIVES
903	EXTRA TOOLS 1/2
904	EXTRA TOOLS 2/2
905	TOOLS 1/4 A-D
906	TOOLS 2/4 E-L
907	TOOLS 3/4 M-R
908	TOOLS 4/4 S-Z
909	PRIMITIVES 1/2 A-L
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911	DICTIONARY 1/2 A-L
912	DICTIONARY 2/2 M-Z

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- X01 ACRL - .CRL format assembler / FPUT - file copy utilities
- X02 BDS 'C' Compiler utilities II
- X03 C Tools / 6809 C Compiler / Graphics Driver

CUG-001.1	21K	FA 82	ASSEMBLE.COM	Small-C assembler
CUG-001.2	6K	6E 2C	C .DEF	Small-C definitions
CUG-001.3	1K	A2 F7	C .SUB	Small-C submit file
CUG-001.4	11K	7D D1	C1 .C	Small-C Vers 1 main source
CUG-001.5	32K	CA 5C	C1 .COM	Small-C Compiler Vers 1 object
CUG-001.6	13K	92 68	C2 .C	Part of Small-C compiler C1.C
CUG-001.7	5K	E4 6A	C3 .C	Part of Small-C compiler C1.C
CUG-001.8	6K	1F CE	C4 .C	Part of Small-C compiler C1.C
CUG-001.9	7K	03 69	C5 .C	Part of Small-C compiler C1.C
CUG-001.10	4K	05 97	C6 .C	Part of Small-C compiler C1.C
CUG-001.11	14K	34 00	C7 .C	Part of Small-C compiler C1.C
CUG-001.12	7K	DB 15	C8 .C	Part of Small-C compiler C1.C
CUG-001.13	4K	30 C3	C9 .C	Part of Small-C compiler C1.C
CUG-001.14	1K	4D 66	CC .SUB	C-Compiler compile submit file
CUG-001.15	1K	E4 DE	CL .SUB	C-Compiler link submit file
CUG-001.16	3K	7B 93	FUNCTION.ASM	C-Compiler function assembly source
CUG-001.17	1K	FD 48	FUNCTION.CRL	Relocatable of FUNCTION.ASM
CUG-001.18	13K	EE 2E	LINK .COM	Small-C linker
CUG-001.19	12K	31 A9	RUNTIME .ASM	Small-C runtime assembly source
CUG-001.20	2K	23 E6	RUNTIME .TXT	
CUG-001.21	26K	9A 8A	STDLIB .ASM	Small-C standard library asm source
CUG-001.22	3K	06 5B	STDLIB .TXT	
CUG-001.23	7K	6D 3E	SUBMIT .C	Small-C submit source
CUG-001.24	5K	C7 68	TIME .C	
CUG-002.1	1K	EB 02	ABS .C	
CUG-002.2	7K	81 F9	CALL .AAA	
CUG-002.3	7K	81 F9	CALL .ASM	
CUG-002.4	1K	0D 58	CANT .C	
CUG-002.5	4K	17 1E	CC .DEF	Small-C 2 Compiler definitions
CUG-002.6	5K	47 4F	CC1 .C	Part of Small-C 2 Compiler
CUG-002.7	7K	D8 49	CC11 .C	Part of Small-C 2 Compiler
CUG-002.8	7K	08 2B	CC12 .C	Part of Small-C 2 Compiler
CUG-002.9	8K	E2 AC	CC13 .C	Part of Small-C 2 Compiler
CUG-002.10	2K	D5 EA	CC2 .C	Part of Small-C 2 Compiler
CUG-002.11	6K	5D 53	CC21 .C	Part of Small-C 2 Compiler
CUG-002.12	8K	F5 B1	CC22 .C	Part of Small-C 2 Compiler
CUG-002.13	2K	F0 9C	CC3 .C	Part of Small-C 2 Compiler
CUG-002.14	7K	63 71	CC31 .C	Part of Small-C 2 Compiler
CUG-002.15	6K	40 C9	CC32 .C	Part of Small-C 2 Compiler
CUG-002.16	5K	0F EA	CC33 .C	Part of Small-C 2 Compiler
CUG-002.17	1K	A0 49	CC4 .C	Part of Small-C 2 Compiler
CUG-002.18	6K	FE B0	CC41 .C	Part of Small-C 2 Compiler
CUG-002.19	8K	6C 80	CC42 .C	Part of Small-C 2 Compiler
CUG-002.20	1K	AF 1A	DT01 .C	Part of Small-C 2 Compiler
CUG-002.21	1K	C0 D9	GETWRD .C	Part of Small-C 2 Compiler
CUG-002.22	1K	D0 9B	ITOD .C	Part of Small-C 2 Compiler
CUG-002.23	1K	66 05	ITOU .C	Part of Small-C 2 Compiler
CUG-002.24	1K	C1 73	ITOX .C	Part of Small-C 2 Compiler
CUG-002.25	1K	BF 9E	LEFT .C	Part of Small-C 2 Compiler
CUG-002.26	1K	D8 2F	LIB .C	Small-C 2 Compiler library source
CUG-002.27	1K	1F 00	LIB .H	Small-C 2 Compiler library header
CUG-002.28	1K	08 02	OUT .C	Part of Small-C 2 Compiler
CUG-002.29	1K	88 EF	PAGE .C	Part of Small-C 2 Compiler
CUG-002.30	2K	67 69	PRINTF .C	Part of Small-C 2 Compiler
CUG-002.31	1K	E3 2F	SIGN .C	Part of Small-C 2 Compiler
CUG-002.32	4K	83 12	STDIO .C	Part of Small-C 2 Compiler
CUG-002.33	3K	07 A0	STDIO .H	Small-C 2 Compiler standard I/O head
CUG-002.34	2K	22 C5	STDIO.L	Small-C 2 Compiler long I/O header
CUG-002.35	1K	5E EE	STRCMP .C	Part of Small-C 2 Compiler
CUG-002.36	1K	1F 38	UTOI .C	Part of Small-C 2 Compiler
C - 23	1K	62 4		

CUG-003.1	8K	9A 60	ALIFE	.ASM	Part of NLIFE. Z80 code
CUG-003.2	2K	93 01	ALIFE	.CRL	Assembled vers. link with NLIFE
CUG-003.3	8K	92 AF	BUGS	.C	Game for Heath/Zenith
CUG-003.4	8K	0A A8	DMF	.C	Header for David Fogg games
CUG-003.5	1K	B3 7D	EUCLID	.C	Finds greatest common denominator
CUG-003.6	2K	8B 29	EZ1	.ANS	Part of IQUIZ
CUG-003.7	6K	F9 3B	FALLOUT	.C	Extension of FLYBY
CUG-003.8	2K	08 1C	FLYBY	.C	Graphic demo for Heath/Zenith
CUG-003.9	2K	9D 01	HARD1	.ANS	Part of IQUIZ
CUG-003.10	13K	D1 30	HSTONE	.C	Heath/Zenith version of STONE
CUG-003.11	8K	9B 51	IQUIZ	.C	Q/A Game for Heath/Zenith
CUG-003.12	23K	87 64	IQUIZ	.DAT	Part of IQUIZ
CUG-003.13	8K	8E 92	JOTTO	.C	Word Game for Heath/Zenith
CUG-003.14	4K	0F 76	JOTTO	.WDS	Part of JOTTO
CUG-003.15	9K	B3 F4	LIFE	.C	Life for non-Heath/Zenith
CUG-003.16	13K	BA 0D	LIFE	.DAT	Screen images for NLIFE
CUG-003.17	10K	05 01	LINES	.C	Visual demo for H19/Z19
CUG-003.18	2K	7E 76	MED1	.ANS	Part of IQUIZ
CUG-003.19	5K	4A CC	MM	.C	Mastermind Game
CUG-003.20	7K	80 54	NLIFE	.C	New H19/Z19 version of LIFE
CUG-003.21	4K	31 20	NLIFE	.HLP	Help for NLIFE
CUG-003.22	2K	EC AD	POLISH	.C	RPN Demonstration
CUG-003.23	8K	C8 45	PRESSUP	.C	Peg Game
CUG-003.24	1K	8B D5	R2	.MAP	Part of RALLY
CUG-003.25	11K	37 82	RALLY	.C	Road Game for H19/Z19
CUG-003.26	2K	53 8E	RALLY	.MAP	Part of RALLY
CUG-003.27	7K	A5 FF	STD	.H	Header for XWORD, YAHTZEE, IQUIZ
CUG-003.28	10K	F5 7F	STONE	.C	WARI for TTY type terminals
CUG-003.29	8K	38 30	TTT	.C	Tic-Tac-Toe Game
CUG-003.30	2K	17 DA	TV	.ANS	Data file for XWORD
CUG-003.31	4K	66 42	XPRT1	.ANS	Data file for XWORD
CUG-003.32	15K	AF 71	XWORD	.C	Crossword puzzle Game for H19/Z19
CUG-003.33	12K	01 C7	YAHTZEE	.C	Classic die/poker Game
CUG-003.34	4K	52 CC	YAHTZEE	.HLP	Help for YAHTZEE
CUG-004.1	6K	A1 75	B	.C	Big Directory for H19/Z19
CUG-004.2	2K	FE D9	BIGDIR	.C	Big Directory for standard 24x80
CUG-004.3	8K	00 FF	CB	.C	Pretty Printer for C programs
CUG-004.4	2K	E2 62	CCOT	.C	C Pre-processor for TRS-80
CUG-004.5	9K	14 B1	CCRL	.C	COM -> CRL file translator
CUG-004.6	3K	DE 54	CCRL	.DOC	Instructions for CCRL.C
CUG-004.7	4K	54 4C	CHCNT	.C	Counts occurrences of file characters
CUG-004.8	2K	F1 FA	CLOCK	.H	Header for DATEDEMO
CUG-004.9	4K	C9 C2	COMP	.C	File comparator, lists differences
CUG-004.10	14K	CF 83	COMPRESS	.C	File compressor, tokenizes strings
CUG-004.11	15K	81 C7	COMPRESS	.COM	File compressor, tokenizes strings
CUG-004.12	3K	9C 0B	COMPRESS	.DOC	Instructions for COMPRESS
CUG-004.13	8K	05 FB	CONCORD	.C	Makes concordance file with KWIC
CUG-004.14	4K	42 27	CONOUT	.C	Output processor for CONCORD
CUG-004.15	8K	63 D1	DATEDEMO	.C	Demo for Mountain Hardware clock board
CUG-004.16	7K	5C D9	DATEDEMO	.COM	Demo for Mountain Hardware clock board
CUG-004.17	12K	1A B5	DATEDEMO	.DOC	Instructions for DATEDEMO
CUG-004.18	9K	02 18	DISK	.C	Disk utility program - single density
CUG-004.19	8K	0A A8	DMF	.C	Functions for KWIC and CONCORD
CUG-004.20	7K	1B 59	KWIC	.C	Key-Word-In-Context file generator
CUG-004.21	5K	41 87	LIST	.C	Text file listing program
CUG-004.22	5K	B1 A0	MERGE	.C	Merge program for sorted files
CUG-004.23	8K	B6 60	MSORT	.C	Quick-sort program, makes sub-files
CUG-004.24	7K	DB DD	RT11	.C	Disk Format converter DEC RT11 -> CP/M
CUG-004.25	14K	2C 18	RT11	.COM	Disk Format converter DEC RT11 -> CP/M
CUG-004.26	8K	5B CC	RT11	.DOC	Instructions for RT11
CUG-004.27	2K	33 5F	RT11	.H	Header for RT11
CUG-004.28	12K	DA 19	RTFILES	.C	
CUG-004.29	4K	B5 7E	RTMISC	.C	
CUG-004.30	3K	01 16	SHOW	.C	Shows file including non-print & parit

CUG-004.31	2K	A5 FF	STD	.H	Header for KWIC related programs
CUG-004.32	2K	CD BD	STRIP	.C	Strips high-order bit from files
CUG-004.33	1K	B3 CE	WC	.C	Counts words in file
CUG-004.34	4K	A5 72	WFREQ	.C	Counts frequency of words in file
CUG-005.1	3K	C7 00	BIGFIO	.C	File functions for TYP
CUG-005.2	1K	62 9B	CONCAT	.C	File contatination program
CUG-005.3	4K	7E 5A	CONVERT	.C	C Source file convertor for TRS-80
CUG-005.4	5K	1D 48	COPYALL	.C	Disk/File Copier for 1-drive systems
CUG-005.5	5K	80 B1	COUNT	.C	Counts characters, words, lines in file
CUG-005.6	5K	4A 92	DEL	.C	ERA with verification requests
CUG-005.7	7K	DB B7	FILECOMP	.C	File comparator, byte/byte
CUG-005.8	2K	34 59	GLOBALS	.WP	Part of WP
CUG-005.9	3K	A6 F2	LISTF	.C	Dumps ASCII and HEX of file
CUG-005.10	3K	C7 56	LPR	.C	C Program lineprinter formatter
CUG-005.11	1K	2D 74	MACDEFS	.WP	Part of WP
CUG-005.12	2K	74 84	NEWCHCNT	.C	Frequency of each possible byte in file
CUG-005.13	3K	90 45	PG	.C	Standard output, one at a time
CUG-005.14	6K	67 09	PG	.COM	Standard output, one at a time
CUG-005.15	1K	C4 A0	PNUM	.C	File print with line numbers
CUG-005.16	3K	E4 AF	PRMDMP	.C	PROM Reading program
CUG-005.17	6K	88 94	SCREEN	.C	Flashwriter for TRS-80 Mod II
CUG-005.18	6K	DE 0B	SCREEN	.COM	Flashwriter for TRS-80 Mod II
CUG-005.19	2K	F9 69	SCRUB	.C	Deletes all ctrl ex. CR LF FF from file
CUG-005.20	12K	FE B0	SEARCH	.ASM	Searches RAM or file for string
CUG-005.21	1K	AA A2	SEARCH	.COM	Searches RAM or file for string
CUG-005.22	3K	94 DA	TABIFY	.C	Converts spaces to tabs in file
CUG-005.23	21K	8E 94	TELNET	.C	Serial communication program
CUG-005.24	1K	95 7E	TYP	.C	File display with large buffers
CUG-005.25	12K	FD 80	UCSD2CPM	.C	Disk translator UCSD Pascal -> C/M
CUG-005.26	8K	08 0E	UCSDIR	.C	Directory for UCSD Pascal disk
CUG-005.27	1K	EB CF	UNTAB	.C	Converts tabs to spaces in file
CUG-005.28	4K	CB B7	UTIL-WP	.C	Part of WP
CUG-005.29	5K	FD A1	VARTABS	.C	ASCII file to/from variable tabs
CUG-005.30	2K	72 DB	WC2	.C	Counts characters, words, lines
CUG-005.31	10K	03 93	WP	.C	Word Processor, patterned after ROFF
CUG-005.32	5K	B0 07	WP	.DOC	Instructions for WP
CUG-005.33	6K	78 CB	WP	.OUT	Sample output from WP
CUG-005.34	14K	48 EA	XSDIR	.ASM	STAT-like Directory program
CUG-005.35	2K	7E 30	XSDIR	.COM	STAT-like Directory program
CUG-005.36	19K	F9 6B	XSDMAC	.LIB	Part of XSDIR
CUG-005.37	3K	23 42	ZLPR	.C	Mod of LPR, prints functions on new page
CUG-006.1	1K	F8 9B	BIOSLB	.CRL	Modified BIOS
CUG-006.2	4K	AF 95	BIOSLB	.MAC	Modified BIOS
CUG-006.3	9K	44 76	BIOSLB	.PRN	Modified BIOS
CUG-006.4	8K	29 9A	BSPAT1-4	.DOC	BIOS Tinkering discussion
CUG-006.5	3K	B7 FF	CHARFUN	.ASM	ASM version of char functions
CUG-006.6	3K	48 A0	CRL	.DOC	Instructions for CRL.LIB
CUG-006.7	8K	4F 81	CRL	.LIB	Macros for generating CRL files
CUG-006.8	2K	DD 46	CSYM	.LIB	Symbol file for CRL.LIB
CUG-006.9	1K	9C B3	DEFFMODS	.HRM	Tutorial for mods in STDLIB1/2
CUG-006.10	1K	18 23	FACT	.MOU	Factorial program in MOUSE
CUG-006.11	13K	63 51	GRAVT100	.C	ANSI Graphics for VT100
CUG-006.12	9K	C7 7A	GRAVT100	.CRL	ANSI Graphics for VT100
CUG-006.13	3K	DE 3D	IOFUN	.ASM	ASM version of C I/O functions
CUG-006.14	5K	C6 85	MACHINE	.ASM	ASM CRL functions, memory block, etc
CUG-006.15	5K	22 A2	MOUSE	.C	Interpereter from BYTE
CUG-006.16	1K	93 EC	NTOI	.C	Small number crunching functions
CUG-006.17	1K	11 1A	OTOI	.C	Small number crunching functions
CUG-006.18	4K	F4 EB	PRVLIB	.C	Misc. functions
CUG-006.19	5K	F3 F1	QUEUE	.C	FIFO Functions
CUG-006.20	1K	A7 9F	STDEF	.C	Def for N/OTOI GRAVT100 STRINGS UTIL1
CUG-006.21	4K	F9 86	STDIO	.DOC	Instructions for STDIO
CUG-006.22	2K	B5 4D	STDIO	.LIB	Simulated UNIX I/O redirection
CUG-006.23	5K	D0 41	STDIO	.SRC	Simulated UNIX I/O redirection

CUG-006.24	7K	6E	CC	STDLIB1	.C	Mod lib for MOUSE WP XTRINS
CUG-006.25	20K	C3	CE	STDLIB2	.C	Mod lib for MOUSE WP XTRINS
CUG-006.26	4K	70	4B	STRFUN	.ASM	ASM vers of C string functions
CUG-006.27	5K	01	DD	STRINGS	.C	String manipulation package
CUG-006.28	3K	CA	70	STRINGS	.CRL	String manipulation package
CUG-006.29	2K	86	95	SYSTEM	.C	Defs for files listed at STDEF
CUG-006.30	1K	67	C4	TEST	.MOU	Test program for MOUSE, produces bug
CUG-006.31	3K	0C	F0	UTIL1	.C	Small functions
CUG-006.32	1K	Fc	1C	XTRINSLB	.CRL	Bit manipulation functions
CUG-006.33	7K	6A	D9	XTRINSLB	.MAC	Bit manipulation functions
CUG-006.34	20K	B2	B8	XTRINSLB	.PRN	Bit manipulation functions
CUG-007.1	1K	3F	11	CALHOUN	.RMK	Author's comments on RANDOMX
CUG-007.2	3K	CF	21	CIO	.C	Almost universal console I/O pkg
CUG-007.3	1K	FA	83	COEFSET	.C	Test & initialize floating-point const
CUG-007.4	7K	9A	A7	CTRIG	.C	Trig functions using FLOATXT
CUG-007.5	5K	AB	20	CTRIG	.DOC	Instructions for CTRIG.C
CUG-007.6	7K	F1	A1	DIO	.C	Simulated UNIX directed I/O
CUG-007.7	1K	26	B7	DIO	.H	Simulated UNIX directed I/O
CUG-007.8	1K	25	D9	FLEVAL	.C	Floating-point pkg evaluation program
CUG-007.9	8K	4E	3A	FLOAT	.C	BDS C Standard Floating-point pkg
CUG-007.10	7K	C2	5E	FLOAT	.DOC	Instructions for FLOAT.C
CUG-007.11	1K	7F	86	FLOATSUM	.C	Extensions to float package
CUG-007.12	10K	E6	76	FLOATXT	.C	Extensions to float package
CUG-007.13	10K	48	8F	FLOATXT	.DOC	Instructions for FLOATXT.C
CUG-007.14	17K	89	21	LIB	.C	Function pkg, mostly \$ and cents
CUG-007.15	6K	8D	FA	LONG	.C	Long integer package for BDS C
CUG-007.16	3K	C1	D4	LONG	.CRL	Long integer package for BDS C
CUG-007.17	4K	B7	9E	LONG	.DOC	Instructions for LONG.C
CUG-007.18	1K	73	32	LONGCODE	.CRL	Long integer package for BDS C
CUG-007.19	10K	4A	9E	LONGCODE	.MAC	Long integer package for BDS C
CUG-007.20	22K	1D	BB	LONGCODE	.PRN	Long integer package for BDS C
CUG-007.21	1K	9D	6C	LONGCODE	.REL	Long integer package for BDS C
CUG-007.22	12K	C3	7B	RANDOMX	.C	Package to access disk as virtual mem
CUG-007.23	9K	78	71	SCOPE	.C	Full screen editing, manipulation pkg
CUG-007.24	2K	F4	30	TESTTRIG	.C	Test demo for CTRIG package
CUG-008.1	10K	3C	D9	CLOGS	.C	Log functions
CUG-008.2	5K	99	15	CLOGS	.CRL	Log functions
CUG-008.3	5K	13	B9	CLOGS	.DOC	Documentation of log functions
CUG-008.4	1K	26	DD	COEFSTAT	.C	FP to octal conversion
CUG-008.5	1K	00	0F	COEFSTAT	.CRL	FP to octal conversion
CUG-008.6	8K	AF	F8	CTRIG	.C	Trig functions
CUG-008.7	5K	2C	A6	CTRIG	.CRL	Trig functions
CUG-008.8	6K	CA	AA	CTRIG	.DOC	Documentation of trig functions
CUG-008.9	12K	93	35	DEFF	.CRL	DEFF with FLOAT+44 fncts added
CUG-008.10	5K	E2	07	FI	.C	File directory & backup
CUG-008.11	10K	06	0C	FI	.COM	File directory & backup
CUG-008.12	3K	B0	BA	FIO	.1	K&R code
CUG-008.13	2K	AB	BB	FIO	.2	K&R code
CUG-008.14	5K	DB	C4	FIO	.3	K&R code
CUG-008.15	10K	18	FE	FLOAT+44	.C	Upgraded FP package
CUG-008.16	6K	CB	B8	FLOAT+44	.CRL	Upgraded FP package
CUG-008.17	11K	84	2C	FLOAT+44	.DOC	Documentation for FP package
CUG-008.18	5K	69	C4	FORM	.CPM	CP/MUG submission form
CUG-008.19	2K	AA	76	NEWFLVAL	.C	Test prog for FP functions
CUG-008.20	9K	D1	07	NEWFLVAL	.COM	Test prog for FP functions
CUG-008.21	2K	60	6D	NEWFLVAL	.CRL	Test prog for FP functions
CUG-008.22	2K	89	3C	TESTCLOG	.C	Test prog for CLOGS
CUG-008.23	12K	D5	r	TESTCLOG	.COM	Test prog for CLOGS
CUG-008.24	2K	11	BA	TESTCLOG	.CRL	Test prog for CLOGS
CUG-008.25	2K	30	C2	TESTTRIG	.C	Test prog for CTRIG functions
CUG-008.26	13K	C0	35	TESTTRIG	.COM	Test prog for CTRIG functions
CUG-008.27	2K	7E	B8	TESTTRIG	.CRL	Test prog for CTRIG functionsC
CUG-009.1	4K	80	28	BIN2HEX	.C	Binary to hex ASCII converter

CUG-009.2	39	D6	BLOCK	.C	Curly brace checker
CUG-009.3	3K	BA 9F	BYTEBNCH	.C	Benchmrk program ala BYTE
CUG-009.4	3K	3E 62	CBC	.C	Curly brace checker
CUG-009.5	15K	E4 98	CHARGEN	.C	Imsai VIO char set generator
CUG-009.6	3K	07 88	CHARSET	.	Character descriptions for CHARGEN
CUG-009.7	2K	74 72	CMP	.C	File compare program
CUG-009.8	11K	5A 9B	DDNDISK	.C	DISK [CUG-004.18] mod for double density
CUG-009.9	2K	FA 0B	ENVIRON	.DOC	Notes for
CUG-009.10	1K	5E 52	FIB	.C	Benchmark program ala Usenix Conf
CUG-009.11	1K	56 7A	FIXCCC	.ASM	Mod runtime pkg for YAM & UMODEM27
CUG-009.12	1K	FC 77	GETC	.C	getc() modified for better eof ind
CUG-009.13	4K	38 81	PRINTF	.C	_spr modified for leading 0's
CUG-009.14	12K	BA C4	PROLOG	.C	PRO-LOG EPROM programmer driver
CUG-009.15	6K	11 D8	READ-ME	.DDC	Procedures for
CUG-009.16	1K	41 10	SEE	.C	File printer, non-ASCII as octal
CUG-009.17	6K	36 F4	SYMBUG	.C	"clink" .SYM to "vbug" format convertor
CUG-009.18	3K	1D DE	TABIFY	.C	Enhanced spaces->tab program
CUG-009.19	1K	D4 98	TEK	.C	Displays file n lines at a time
CUG-009.20	31K	39 AF	UMODEM27	.C	Fancy modem prog from UNIX sys
CUG-009.21	2K	A1 48	UMODEM27	.DOC	Documentation for UMODEM27
CUG-009.22	2K	55 FC	UNDEL	.C	Un-delete program ?
CUG-009.23	2K	D0 D7	UNDELETE	.C	Un-delete program ?
CUG-009.24	5K	14 63	VTEST	.C	Benchmark program
CUG-009.25	21K	C0 20	XYAMHELP	.T	Help file for YAM
CUG-009.26	6K	1E 70	YAM	.H	Master file header for YAM system
CUG-009.27	1K	46 2D	YAM	.SUB	Submit file to compile YAM
CUG-009.28	9K	00 81	YAM1	.C	Yet Another Modem program
CUG-009.29	7K	1B 42	YAM2	.C	Yet Another Modem program
CUG-009.30	8K	59 BC	YAM3	.C	Yet Another Modem program
CUG-009.31	1K	4A 0F	YAM5	.C	Yet Another Modem program
CUG-009.32	4K	7C 42	YAM5II	.C	Yet Another Modem program
CUG-009.33	12K	FD 2C	YAM7	.C	Yet Another Modem program
CUG-009.34	25K	EC 45	YAMDOC	.FIN	User documentation for YAM
CUG-009.35	1K	E6 E3	YAML	.SUB	Submit file to link YAM
CUG-009.36	1K	7F A3	YAMPHONE	.T	Phone numbers used by YAM
CUG-009.37	1K	3D 21	YAMSQ	.	
CUG-009.38	2K	ED 9C	YAMSYS	.H	YAM configuration file
CUG-009.39	2K	AB 98	YAMTRSII	.H	YAM header file for Radio Shack
CUG-009.40	1K	48 FA	YAMTRSII	.SUB	Submit file for Radio Shack version
CUG-009.41	1K	90 52	YAMTU	.SUB	Submit file for YAM
CUG-009.42	2K	E8 55	YAMTUART	.H	YAM configuration file
CUG-009.43	1K	61 07	YAMX	.SUB	Submit file for YAM
CUG-009.44	2K	25 79	YAMXHELP	.T	Short help file for YAM
CUG-009.45	2K	ED 9C	YAMZ89	.H	YAM configuration file
CUG-009.46	2K	41 57	YAMZ89XM	.H	YAM configuration file
CUG-009.47	1K	F5 D3	YMTRSII2	.SUB	Submit file for YAM
CUG-010.1	4K	0D B7	CHARIO	.C	Character-oriented file I/O
CUG-010.2	8K	26 EE	DIO	.C	Directed I/O
CUG-010.3	1K	E4 50	DIO	.H	Header for DIO.C
CUG-010.4	5K	13 26	FLS	.C	Ambiguous filename expander/processor
CUG-010.5	9K	16 02	FLS	.COM	Ambiguous filename expander/processor
CUG-010.6	9K	15 12	HISTORY	.DOC	File squeezer program history
CUG-010.7	1K	93 B6	IO	.C	Used by DIO.C
CUG-010.8	20K	D3 E7	L2	.C	BDS C Linker
CUG-010.9	16K	61 9D	L2	.DOC	BDS C Linker documentation
CUG-010.10	19K	3A 28	MAKOVL	.C	Overlay builder/manager
CUG-010.11	4K	09 4B	SCOTT	.C	Misc functions
CUG-010.12	7K	03 6A	SQ	.C	File compressor program
CUG-010.13	14K	CD E5	SQ	.COM	File compressor program
CUG-010.14	2K	10 97	SQ	.H	Header for File compressor prog
CUG-010.15	1K	4F 7F	SQCOM	.H	Definitions & external decl for SQ
CUG-010.16	1K	28 3B	SQDEBUG	.C	Debugging aids for SQ & related
CUG-010.17	1K	7E 4B	SQDISK	.DOC	Squeeze/unsqueeze quick instructions
CUG-010.18	23K	CD EE	SQUEEZER	.DOC	Use & compilation for SQ, USQ, FLS
CUG-010.19	2K	0B FE	TR1	.C	Part of SQ C

CUG-010.20	13K	71 C7	TR2	.C	Part of SQ.C
CUG-010.21	5K	CF 0A	TYPESQ	.C	Squeezed file print program
CUG-010.22	10K	C7 69	TYPESQ	.COM	Squeezed file print program
CUG-010.23	1K	BE 76	TYPESQ	.DOC	Instructions for TYPESQ
CUG-010.24	7K	F9 BF	USQ	.C	File de-compressor program
CUG-010.25	10K	89 79	USQ	.COM	File de-compressor program
CUG-010.26	1K	93 0A	USQ	.H	Part of USQ.C
CUG-010.27	2K	A7 39	UTR	.C	Part of USQ.C
CUG-011.1	2K	09 16	AN	.NRO	Part of NRO.C
CUG-011.2	16K	69 AD	ANYDISK	.C	Disk analysis program
CUG-011.3	10K	9A 09	ANYDISK	.COM	Disk analysis program
CUG-011.4	8K	41 BE	ANYDISK	.DOC	Documentation for ANYDISK.C
CUG-011.5	8K	14 CB	ANYDISK	.OUT	Part of ANYDISK.C
CUG-011.6	4K	EA C9	DDOCLIB	.	Part of DISKDOC.C
CUG-011.7	5K	81 6F	DDOCSYS	.C	Part of DISKDOC.C
CUG-011.8	18K	8C 13	DISKDOC	.C	Disk Doctor program (DDJ Apr-82)
CUG-011.9	11K	7F E9	DISKDOC	.COM	Disk Doctor program (DDJ Apr-82)
CUG-011.10	7K	C1 3F	DISKDOC	.DOC	Documentation for DISKDOC.C
CUG-011.11	4K	01 94	DISKDOC	.SYM	Part of DISKDOC.C
CUG-011.12	1K	58 D8	MAN	.NRO	Part of NRO.C
CUG-011.13	5K	86 78	NRO	.C	New RUN-OFF with user macros
CUG-011.14	23K	A0 CB	NRO	.COM	New RUN-OFF with user macros
CUG-011.15	16K	B8 3C	NRO	.DOC	Documentation for NRO.C
CUG-011.16	6K	CB 19	NRO	.H	Header part of NRO.C
CUG-011.17	11K	EC 60	NRO	.NRO	Part of NRO.C
CUG-011.18	12K	90 69	NROCMD	.C	Part of NRO.C
CUG-011.19	1K	2A C3	NROCOM	.C	Part of NRO.C
CUG-011.20	1K	40 59	NROMAKE	.SUB	Part of NRO.C
CUG-011.21	10K	4F B7	NROTXT	.C	Part of NRO.C
CUG-011.22	1K	44 08	SKELETON	.NRO	Skeleton NRO ?

CUG-012.1	2K	36 3B	AR1	.BDS	Archive Vers. 1 source
CUG-012.2	17K	95 8C	AR1	.COM	Archive Vers. 2 object
CUG-012.3	9K	48 B5	AR1	.DOC	Documentation for Archive
CUG-012.4	4K	F4 9B	AR1/UTIL	.BDS	Part of AR1.BDS
CUG-012.5	1K	A9 6B	DATE	.H	Part of AR1.BDS
CUG-012.6	3K	63 98	DATE/SSI	.BDS	SSI board date & time routines
CUG-012.7	12K	C4 61	DIO	.C	Directed I/O (CUG-22.3)
CUG-012.8	12K	CD 5A	DIO	.DOC	Documentation for DIO.C
CUG-012.9	3K	35 BB	DIO	.H	Header for DIO.C
CUG-012.10	14K	B0 BF	PP	.C	Preproc prog [#include, #define]
CUG-012.11	12K	B8 E5	PP	.COM	Preproc prog [#include, #define]
CUG-012.12	7K	2A 02	PP	.DOC	Preprocessor documentation
CUG-012.13	1K	B4 14	TOD	.BDS	SSI board date & time routines
CUG-012.14	6K	2B 7B	TR	.C	Translit software tool source
CUG-012.15	11K	1C 41	TR	.COM	Translit software tool object
CUG-012.16	4K	7B 19	TR	.DOC	Documentation for Translit

CUG-013.1	1K	F8 88	A-OPEN	.C	Open for append routine
CUG-013.2	2K	99 48	BDSCIO+	.H	Additions to standard BDSCIO.H
CUG-013.3	3K	E2 75	D	.COM	Directory program
CUG-013.4	3K	E4 22	DMAP	.C	Disk block allocation display prog
CUG-013.5	11K	91 64	DMAP	.COM	Disk block allocation display prog
CUG-013.6	24K	21 55	FACSPLOT	.C	Demo prog using HIPILOT.C
CUG-013.7	2K	91 86	FI01	.H	K&R std fopen(), fclose() for BDSC
CUG-013.8	2K	76 43	FI02	.H	K&R std fopen(), fclose() for BDSC
CUG-013.9	8K	8F BA	FI03	.H	K&R std fopen(), fclose() for BDSC
CUG-013.10	2K	6D F1	GETC	.C	K&R std getc() for BDSC
CUG-013.11	10K	29 D0	HIPILOT	.C	Lib fncts for Houston Inst plotter
CUG-013.12	5K	33 26	HIPILOT	.CRL	Lib fncts for Houston Inst plotter
CUG-013.13	2K	C8 E6	HIPILOT	.H	Part of HIPILOT.C
CUG-013.14	13K	24 70	MARTZ-AD	.C	MARTZLIB functions A-D
CUG-013.15	13K	8B 21	MARTZ-EI	.C	MARTZLIB functions E-I
CUG-013.16	10K	63 D9	MARTZ-JR	.C	MARTZLIB functions J-R
CUG-013.17	7K	B2 0A	MARTZ-SZ	.C	MARTZLIB functions S-Z

CUG-013.18	1K	B1	2A	MARTZLIB.C	43 general-purpose functions
CUG-013.19	12K	A9	29	MARTZLIB.CRL	43 general-purpose functions
CUG-013.20	1K	97	9E	PUTC .C	BDSC putc() with output dump
CUG-013.21	9K	71	53	RANIOLIB.C	Random & append file I/O
CUG-013.22	1K	C6	91	RAWGETC .C	BDSC getc() explained
CUG-014.1	2K	2B	1A	AIDE .HLP	Help file for Citadel CBB
CUG-014.2	1K	0F	36	AIDE .MNU	Menu file for Citadel CBB
CUG-014.3	41K	32	2C	CITADEL .COM	Computer Bulletin Board Program
CUG-014.4	17K	CA	80	CONFIGUR.COM	Citadel CBB configure prog object
CUG-014.5	16K	61	3B	CTDLNCFG.SYS	Citadel CBB configuration table
CUG-014.6	1K	8C	07	CTDLOPT .MNU	Menu file for Citadel CBB
CUG-014.7	2K	57	C5	DOHELP .HLP	Help file for Citadel CBB
CUG-014.8	1K	C6	D7	EDIT .MNU	Menu file for Citadel CBB
CUG-014.9	1K	04	2F	ENTER .HLP	Help file for Citadel CBB
CUG-014.10	1K	02	9D	ENTOPT .MNU	Menu file for Citadel CBB
CUG-014.11	1K	44	D6	ENTRY .BLB	Blurb file for Citadel CBB
CUG-014.12	1K	1A	8C	EXTENDED.HLP	Help file for Citadel CBB
CUG-014.13	2K	82	87	FILES .HLP	Help file for Citadel CBB
CUG-014.14	1K	CC	2C	GOTO .HLP	Help file for Citadel CBB
CUG-014.15	1K	1A	81	HELPOPT .HLP	Help file for Citadel CBB
CUG-014.16	1K	1E	19	HIDDEN .HLP	Help file for Citadel CBB
CUG-014.17	18K	5D	71	L2 .COM	CUGroup linker for BDS C
CUG-014.18	1K	37	E1	LOCALBBS.HLP	Help file for Citadel CBB
CUG-014.19	1K	59	A5	LOGIN .HLP	Help file for Citadel CBB
CUG-014.20	1K	36	6C	LOGOUT .HLP	Help file for Citadel CBB
CUG-014.21	1K	B2	7B	MAIL .HLP	Help file for Citadel CBB
CUG-014.22	1K	3F	CF	MAINOPT .MNU	Menu file for Citadel CBB
CUG-014.23	1K	E6	11	NEWROOM .BLB	Blurb file for Citadel CBB
CUG-014.24	1K	9A	C5	NOCHAT .BLB	Blurb file for Citadel CBB
CUG-014.25	1K	CE	65	PASSWORD.BLB	Blurb file for Citadel CBB
CUG-014.26	1K	36	67	READ .HLP	Help file for Citadel CBB
CUG-014.27	1K	E5	92	READOPT .MNU	Menu file for Citadel CBB
CUG-014.28	1K	F8	5D	SUMMARY .HLP	Help file for Citadel CBB
CUG-014.29	1K	0F	A3	WCDOWN .BLB	Blurb file for Citadel CBB
CUG-014.30	1K	99	06	WCUPLD.BLB	Blurb file for Citadel CBB
CUG-015.1	12K	50	EB	210CONFIG.C	Main Configure program for Citadel
CUG-015.2	20K	3D	5D	210CTDL .C	Citadel Computer Bulletin Board prog
CUG-015.3	18K	AD	3D	210CTDL .H	Header file for all Citadel progs
CUG-015.4	17K	AF	A9	210LOG .C	Userlog code for Citadel
CUG-015.5	10K	DF	24	210MISC .C	Miscellaneous code for Citadel
CUG-015.6	26K	23	CE	210MODEM.C	Modem/console code for Citadel
CUG-015.7	32K	1D	C4	210MSG .C	Message file code for Citadel
CUG-015.8	20K	85	F3	210ROOMA.C	Room & misc code for Citadel
CUG-015.9	19K	10	96	210ROOMB.C	Room & misc code for Citadel
CUG-015.10	5K	21	98	AABUYME .DOC	Overview of Citadel system
CUG-015.11	4K	4E	45	COUNTRY .DOC	Country codes for Citadel config
CUG-015.12	23K	27	05	HACK .DOC	Overview of Citadel code structures
CUG-015.13	4K	EB	2A	HISTORY .DOC	Brief history of Citadel package
CUG-015.14	8K	EF	21	INSTALL .DOC	Installing Citadel on a new system
CUG-015.15	3K	95	51	OPERATN .DOC	Documentation on using Citadel
CUG-015.16	1K	8A	9A	PRODUCTN.SUB	SUBMIT file to recompile Citadel
CUG-015.17	1K	60	0D	WARRANTY.DOC	Universal warranty
CUG-016.1	3K	A8	27	BC .C	Binary calculator
CUG-016.2	1K	3E	9B	BC .DOC	Instructions for BC.C
CUG-016.3	1K	40	1B	BC .SUB	Submit file for BC.C
CUG-016.4	10K	E2	BB	BCANLYZ .C	Functions used by BC.C
CUG-016.5	3K	72	10	BCDEF .H	Header file for BC.C
CUG-016.6	2K	3D	BD	CHANGES .DOC	Changes for SQ/USQ
CUG-016.7	2K	37	8B	CHOP .C	Chops off from front of file
CUG-016.8	5K	AF	BE	COUNT .C	Counts chars, words, lines
CUG-016.9	12K	41	26	CRCK4 .ASM	CRC Check program source
CUG-016.10	2K	B8	F5	CRCK4 .COM	CRC Check program

CUG-016.12	2K	F6 26	FLS	.CQ	Wildcard preprocessor for SQ/USQ
CUG-016.13	6K	00 00	SQHIST	.DOC	History of SQ/USQ
CUG-016.14	3K	75 66	IDIR	.C	DIR for ISIS single-density
CUG-016.15	1K	2A B2	IDIR	.DOC	Instructions for IDIR.C
CUG-016.16	1K	14 4D	IO	.CQ	I/O Functions used by SQ/USQ
CUG-016.17	5K	31 35	LABELS	.C	Mailing label pre-processor, 4-up
CUG-016.18	11K	DC 87	MCROANG	.C	Creates char sets for Microangelo bd
CUG-016.19	7K	A1 96	MCROANG	.H	Header file for MCROANG.C
CUG-016.20	4K	65 4E	MXPRINT	.C	MX-80 Printer driver functions
CUG-016.21	1K	7A 53	MXPRINT	.DOC	Instructions for MXPRINT.C
CUG-016.22	6K	1E 25	MXPRINT	.H	Header file for MXPRINT.C
CUG-016.23	12K	12 DD	SE	.C	Full screen disk sector editor
CUG-016.24	3K	9D F5	SE	.DOC	Instructions for SE.C
CUG-016.25	1K	97 FA	SE	.SUB	Submit file for SE.C
CUG-016.26	5K	92 E8	SENDER	.C	Fancy screen input function
CUG-016.27	5K	82 9B	SQ	.CQ	File Squeezer
CUG-016.28	2K	EF D9	SQ	.HQ	Header file for SQ.CQ
CUG-016.29	1K	0F F0	SQCOM	.HQ	Part of SQ.CQ
CUG-016.30	1K	EA 5A	SQDEBUG	.CQ	Debug function for SQ/USQ
CUG-016.31	23K	13 42	SQUEEZER	.DOC	Instructions for SQ/USQ
CUG-016.32	2K	3D 35	TR1	.CQ	First-pass functions of SQ
CUG-016.33	9K	99 AC	TR2	.CQ	Second-pass functions of SQ
CUG-016.34	10K	FE 42	USQ	.COM	File Unsqueezer
CUG-016.35	6K	80 F3	USQ	.CQ	File Unsqueezer
CUG-016.36	1K	08 B4	USQ	.HQ	Header file for USQ.CQ
CUG-016.37	2K	80 3E	UTR	.CQ	Functions used by USQ
CUG-016.38	8K	67 CB	XPR	.C	File xfer via CP/M PUN: and RDR:
CUG-017.1	8K	59 5B	CB	.C	Pretty-printer for C programs
CUG-017.2	4K	0D B7	CHARIO	.C	Char. oriented file I/O
CUG-017.3	3K	9E A7	CP	.C	Copies file into current directory
CUG-017.4	8K	26 EE	DIO45	.C	DIO V. 1.45 removes certain bugs
CUG-017.5	1K	E4 5D	DIO45	.H	Header file for DIO45.C
CUG-017.6	20K	D3 E7	L2	.C	Improved linker for BDS C CRL format
CUG-017.7	16K	61 D9	L2	.DOC	Instructions for linker
CUG-017.8	16K	B3 FD	M4	.COM	META4 Compiler from DDJ
CUG-017.9	19K	3A 28	MAKOVL	.C	Variation of L2 to make overlay files
CUG-017.10	2K	64 C1	META4	.DOC	Instructions for META4 Compiler
CUG-017.11	7K	02 82	META4	.M4	Part of META4 compiler
CUG-017.12	6K	05 B6	META4	.MET	Part of META4 compiler
CUG-017.13	8K	FB B6	META40	.C	Part of META4 compiler
CUG-017.14	1K	FE 57	META40	.H	Part of META4 compiler
CUG-017.15	7K	7C 04	META41	.C	Part of META4 compiler
CUG-017.16	7K	95 2B	META42	.C	Part of META4 compiler
CUG-017.17	2K	53 47	META43	.C	Part of META4 compiler
CUG-017.18	1K	59 47	META4COM	.SUB	Submit for META4 compiler compile
CUG-017.19	1K	46 77	META4LNK	.SUB	Submit for META4 compiler link
CUG-017.20	3K	75 FF	NOBOOT	.C	Alter BDS C to return w/o warm boot
CUG-017.21	4K	09 4B	SCOTT	.C	Miscellaneous function library
CUG-017.22	3K	5E 0B	USERCODE	.C	Extend file I/O with user/filename.ext
CUG-017.23	21K	3D 48	XC	.C	Cross-reference for C programs
CUG-017.24	1K	19 7E	XC	.DOC	Instructions for cross-reference
CUG-018.1	2K	F0 A7	CABORT	.ASM	abort() - similar to longjump()
CUG-018.2	1K	68 85	CABORT	.CRL	abort() - similar to longjump()
CUG-018.3	13K	25 57	CORE1	.	PBASE core image
CUG-018.4	2K	E4 DB	ENVIRON	.DOC	Environment doc, suggests 48K ram
CUG-018.5	17K	7A 8E	PBASE	.	Part of PISTOL.COM
CUG-018.6	8K	92 B1	PISTB	.C	Part of PISTOL.C
CUG-018.7	6K	E0 16	PISTB	.CRL	Part of PISTOL.C
CUG-018.8	3K	05 3B	PISTC	.C	Part of PISTOL.C
CUG-018.9	2K	08 27	PISTC	.CRL	Part of PISTOL.C
CUG-018.10	5K	36 C6	PISTD	.C	Part of PISTOL.C
CUG-018.11	5K	B1 CE	PISTD	.CRL	Part of PISTOL.C
CUG-018.12	3K	5F E9	PISTE	.C	Part of PISTOL.C
CUG-018.13	2K	4F AA	PISTF	.CRL	Part of PISTOL.C

CUG-018.14	6K	9D 45	PISTF	.C	Part of PISTOL.C
CUG-018.15	4K	38 42	PISTF	.CRL	Part of PISTOL.C
CUG-018.16	1K	ED A8	PISTGEN	.SUB	Submit file to generate PISTOL
CUG-018.17	4K	FE D1	PISTOL	.C	Portable stack oriented language
CUG-018.18	18K	33 20	PISTOL	.COM	Portable stack oriented language
CUG-018.19	2K	FD 8C	PISTOL	.CRL	Portable stack oriented language
CUG-018.20	39K	E4 47	PISTOL	.DOC	Documentation for PISTOL
CUG-018.21	4K	E8 BD	PISTOL	.H	Constants & externals for PISTOL
CUG-018.22	41K	9F 4E	PISTOL	.PAS	Pascal version for DEC-20
CUG-018.23	1K	DE 46	PISTSUB	.SUB	Submit to compile & link PISTOL
CUG-018.24	5K	C8 81	SESSION0	.DOC	Example session of basic operations
CUG-018.25	9K	C8 3F	SESSION1	.DOC	Example session of more operations
CUG-019.1	7K	F7 21	BDSCIO1	.H	Header used by various programs
CUG-019.2	4K	F6 27	CALL	.C	Smart callout for Hayes modem
CUG-019.3	3K	E7 67	CC	.C	Command driver for C Compiler
CUG-019.4	1K	3A CB	CLOCK	.H	Include file for DATE*.C
CUG-019.5	2K	5A 6C	DATE	.C	Computime clock board read routines
CUG-019.6	1K	24 68	DATEUP	.C	Computime clock board update routines
CUG-019.7	2K	11 84	DDIR	.C	Directory lister, flavor #4
CUG-019.8			DOGLOB	.C	missing!
CUG-019.9	1K	3A 8C	DOGLOB	.H	Include file for DOGLOB.C
CUG-019.10	2K	4C 0B	DSW	.C	Selective file remover uses switches
CUG-019.11	1K	5A A1	FCB	.H	Header used by various programs
CUG-019.12	2K	E0 91	FILES	.C	Used by various programs
CUG-019.13	25K	46 E6	FLAKEY	.DAT	Test data for plot code
CUG-019.14	3K	09 83	FSEEK	.C	Buffered I/O seek used by MORE.C
CUG-019.15	1K	38 A1	FSTAT	.C	Stat of disk file used by various prog
CUG-019.16	3K	C3 0A	IF	.C	Conditional execute commands in SUB
CUG-019.17	20K	ED 07	L2	.C	L2 Linker w/bugs fixed and MP/M
CUG-019.18	2K	77 28	LDIR	.C	Directory lister, flavor #1
CUG-019.19	12K	41 88	LOCAL	.C	Used by various programs
CUG-019.20	3K	D9 CA	LOCAL	.H	Include file for LOCAL.C
CUG-019.21	3K	C2 AA	MORE	.C	Paging file lister
CUG-019.22	9K	2F E1	PLOT	.C	Epson MX-80 Graftrax driver
CUG-019.23	3K	66 E4	PLOT	.H	Globals for PLOT.C
CUG-019.24	1K	61 8D	PLOT	.INC	Include file for PLOT.C
CUG-019.25	4K	0D 92	SDIR	.C	Directory lister, flavor #3
CUG-019.26	1K	04 58	SETUP	.C	Setup function keys on Teleray-10
CUG-019.27	14K	C5 ED	SH	.C	A Shell for CP/M
CUG-019.28	3K	4E F9	SH	.DOC	Instructions for SH.C
CUG-019.29	2K	15 33	SH	.NOT	Implementation note on SH.C
CUG-019.30	1K	EE 77	SKLOCAL	.C	
CUG-019.31	1K	5C 3E	SYSTEMS	.DAT	Sample data file for CALL.C
CUG-019.32	22K	E2 8D	TEL	.C	Very souped-up version of TELNET
CUG-019.33	21K	38 E1	TL370	.C	TELNET modified for IBM TSO
CUG-019.34	3K	CE 3F	XD	.C	File dumper - nicer than DUMP
CUG-019.35	3K	79 86	ZDIR	.C	Directory lister, flavor #2
CUG-020.1	6K	0B 33	B	.C	Mod of BIGDIR.C, like STAT
CUG-020.2	8K	C7 1F	BDOSCOM	.C	CP/M Manipulation functions
CUG-020.3	2K	4D 77	BIOS	.LIB	Modified BIOS() function
CUG-020.4	9K	8C B8	BS	.USE	Using blocked records via RY
CUG-020.5	2K	A2 59	DISKIO	.C	Disk I/O routines
CUG-020.6	1K	1F 33	DISKIO	.DCL	
CUG-020.7	17K	E7 D1	DISKU	.C	Updated disk utility
CUG-020.8	3K	A1 1C	DPATCH	.C	Disk patcher
CUG-020.9	2K	F9 37	G80	.ASM	Machine language library functions
CUG-020.10	9K	BF CF	G81	.ASM	ASM vers. fill mem, rotate string, etc
CUG-020.11	4K	B4 E8	G82	.ASM	ASM vers. swap hi/lo, wait() status, etc
CUG-020.12	10K	0D D9	GCO	.C	Inverse char set for Exidy Sorcerer
CUG-020.13	7K	E1 77	GZO	.ASM	Cursor functions for Exidy Sorcerer
CUG-020.14	8K	BE E8	LONG	.C	Bugs removed, used by RY
CUG-020.15	5K	BA 73	LONG	.DOC	Instructions for LONG.C
CUG-020.16	10K	4A 9E	LONGCODE	.MAC	ASM code for Long package
CUG-020.17	3K	DF D4	X	.CR	LONG & LONGCODE

CUG-020.18	1K	B6	7F	MAKEDF	.H	Part of MAKESYS
CUG-020.19	7K	DB	73	MAKEHEX	.C	Part of MAKESYS
CUG-020.20	4K	8D	45	MAKELIB	.C	Part of MAKESYS
CUG-020.21	5K	CD	38	MAKEPARM	.C	Part of MAKESYS
CUG-020.22	4K	BE	CD	MAKESYS	.C	Modifies CP/M 2.2 BIOS easily!
CUG-020.23	1K	B3	0F	MAKESYS	.DOC	Instructions for MAKESYS
CUG-020.24	1K	01	0C	MAKESYS	.SUB	Submit file for MAKESYS
CUG-020.25	24K	0E	97	RY	.C	Updated RANDOMX.C
CUG-020.26	7K	FD	87	RY	.DOC	Instructions for RY.C
CUG-020.27	2K	58	97	RY	.H	Header file for RY.C
CUG-020.28	10K	6B	5B	RY	.USE	Tutorial on use of RY.C
CUG-020.29	6K	55	05	RYTEST	.C	Exercise for RY.C
CUG-020.30	3K	5E	91	SCN	.LIB	
CUG-020.31	9K	6B	64	VFILE	.C	Block seeks of disk file
CUG-020.32	9K	D8	74	VIEW	.C	Disk block viewer
CUG-020.33	1K	73	32	VMAIN	.C	Exercise for VFILE.C
CUG-020.34	11K	07	3C	YACCRL	.C	ASM -> CRL convertor
CUG-020.35	9K	87	B7	YACCRL	.DOC	Instructions for YACCRL.C

CUG-021.1	19K	CD	3D	BG	.C	Backgammon game
CUG-021.2	8K	DE	D8	BUGS	.C	Update from CUG-003.3
CUG-021.3	8K	B1	D0	CASIO	.C	Casio watch game
CUG-021.4	1K	3E	30	CASIO	.REC	Data for CASIO.C
CUG-021.5	6K	0A	8B	FALLOUT	.C	Update from CUG-003.7
CUG-021.6	10K	89	E7	FISH	.C	Go fish game
CUG-021.7	4K	32	B7	HANGMAN	.C	Hangman word game
CUG-021.8	7K	F2	A2	NLIFE	.C	Update from CUG-03.15
CUG-021.9	13K	BA	0D	NLIFE	.DAT	Data for NLIFE.C
CUG-021.10	2K	93	01	NLIFE	.CRL	Part of NLIFE.C
CUG-021.11	14K	4E	59	OTHELLO	.C	Othello game
CUG-021.12	5K	B1	F5	PACDEFS	.H	Part of PACMAN.C
CUG-021.13	7K	25	DD	PACMAN	.C	Pacman game
CUG-021.14	1K	3A	3D	PACMAN	.REC	Part of PACMAN.C
CUG-021.15	6K	78	B4	PACMONST	.C	Part of PACMAN.C
CUG-021.16	2K	B4	7D	PACSCORE	.C	Part of PACMAN.C
CUG-021.17	9K	37	C5	PACUTIL	.C	Part of PACMAN.C
CUG-021.18	9K	9B	7E	PACUTILS	.C	Part of PACMAN.C
CUG-021.19	7K	F9	A5	PPONG	.C	Ping-Pong game for H/Z-19
CUG-021.20	11K	12	AC	RALLY	.C	Update from CUG-003.25
CUG-021.21	2K	53	8E	RALLY	.MAP	Part of RALLY.C
CUG-021.22	13K	14	B2	STONE	.C	Update from CUG-003.28
CUG-021.23	2K	33	BD	WAVY	.C	Wavy lines for H/Z-19
CUG-021.24	9K	8D	C1	WUMPUS	.C	Wumpus game
CUG-021.25	13K	BB	2C	YAHTZEE	.C	Yahtzee dice game
CUG-021.26	4K	4A	71	YAHTZEE	.HLP	Help for YAHTZEE.C

CUG-022.1	1K	B4	E5	BPTST	.	Page test ROFF example
CUG-022.2	1K	9F	01	COPY	.RIT	Copyright notice
CUG-022.3	1K	BF	F7	DIO	.H	Directed I/O
CUG-022.4	2K	0B	95	ENVIRON	.DOC	Hardware requirements for ROFF
CUG-022.5	1K	3A	2C	EQN	.	Equation numbering ROFF example
CUG-022.6	1K	64	18	EXY1	.	Exidy screen graphics
CUG-022.7	1K	DD	5D	EXYDEMO	.SUB	Exidy graphics demo submit
CUG-022.8	1K	60	77	FOOT	.	Footnote ROFF example
CUG-022.9	1K	E2	BD	FORM	.	Form letter ROFF example
CUG-022.10	17K	87	0F	L2	.COM	CUGroup linker for BDS C
CUG-022.11	1K	EC	D5	LIST	.	File lister ROFF example
CUG-022.12	1K	BF	72	MATRIX	.	Print motion demo for ROFF
CUG-022.13	6K	DA	43	MX	.	MX-80/Graftrax ROFF set-up
CUG-022.14	5K	14	9F	NDIO	.C	Directed I/O
CUG-022.15	1K	81	99	NEST	.	Nested macros & strings ROFF demo
CUG-022.16	2K	AA	00	PAGES	.	ROFF demo
CUG-022.17	12K	53	35	ROFF4	.C	RUNOFF 4.0 Text format/print prog
CUG-022.18	30K	37	02	ROFF4	.COM	RUNOFF 4.0 Text format/print prog
CUG-022.19	7K	CF	A0	ROFF4	.CRL	RUNOFF 4.0 Text format/print prog
CUG-022.20	31K	37	B9	ROFF4	.DOC	Documentation for ROFF4.C

CUG-022.21	9K	D4 C5	ROFF4	.H	Header for ROFF4.C
CUG-022.22	1K	66 BC	ROFF4	.SUB	Submit file for compiling ROFF4
CUG-022.23	7K	DB 83	ROFF41	.C	Part of ROFF4.C Text formatter
CUG-022.24	4K	7C 45	ROFF41	.CRL	Part of ROFF4.C Text formatter
CUG-022.25	7K	A7 7B	ROFF42	.C	Part of ROFF4.C Text formatter
CUG-022.26	5K	B9 DA	ROFF42	.CRL	Part of ROFF4.C Text formatter
CUG-022.27	5K	5A B0	ROFF43	.C	Part of ROFF4.C Text formatter
CUG-022.28	4K	97 22	ROFF43	.CRL	Part of ROFF4.C Text formatter
CUG-022.29	6K	3E 66	ROFF44	.C	Part of ROFF4.C Text formatter
CUG-022.30	4K	8B 32	ROFF44	.CRL	Part of ROFF4.C Text formatter
CUG-022.31	8K	39 37	ROFF45	.C	Part of ROFF4.C Text formatter
CUG-022.32	4K	1D DA	ROFF45	.CRL	Part of ROFF4.C Text formatter
CUG-022.33	8K	CD F0	ROFF46	.C	Part of ROFF4.C Text formatter
CUG-022.34	5K	B6 BD	ROFF46	.CRL	Part of ROFF4.C Text formatter
CUG-022.35	8K	B0 15	ROFF47	.C	Part of ROFF4.C Text formatter
CUG-022.36	5K	5B FD	ROFF47	.CRL	Part of ROFF4.C Text formatter
CUG-022.37	4K	EB 33	SCI	.ASM	Exidy graphics init source
CUG-022.38	2K	0A FB	SCI	.COM	Exidy graphics init object
CUG-022.39	1K	F2 70	STACKTST.		Variable stacking test
CUG-023.1	2K	57 08	BDSCIO+	.H	Non-std ext to BDSCIO.H
CUG-023.2	12K	A9 29	DEFF	.CRL	Renamed MARTZLIB.C (CUG-Q06.18)
CUG-023.3	10K	4A A5	DEFF2	.CRL	BDS DEFF with mods
CUG-023.4	7K	45 1C	DEFF3	.CRL	BDS DEFF2 renamed
CUG-023.5	2K	8F 61	DIABLO	.SS	Diablo printer SS file
CUG-023.6	2K	91 86	FIO1	.H	K&R fopen,fclose (CUG-Q06.7)
CUG-023.7	2K	76 43	FIO2	.H	K&R fopen,fclose (CUG-Q06.8)
CUG-023.8	8K	8F BA	FIO3	.H	K&R fopen,fclose (CUG-Q06.9)
CUG-023.9	18K	1C A3	L2	.COM	CUGroup linker for BDS C
CUG-023.10	7K	74 B4	RAP	.C	RAP text formatter main source
CUG-023.11	37K	D3 37	RAP	.COM	RAP text formatter object
CUG-023.12	15K	2E C2	RAP	.H	Header for all RAP modules
CUG-023.13	17K	F8 7D	RAP1	.C	Part of RAP.C
CUG-023.14	10K	A3 3C	RAP2	.C	Part of RAP.C
CUG-023.15	15K	2E FD	RAP3	.C	Part of RAP.C
CUG-023.16	19K	7C E9	RAP4	.C	Part of RAP.C
CUG-023.17	9K	07 50	RAP10	.C	Part of RAP.C
CUG-023.18	1K	27 46	RAPLINK	.SUB	Submit file to fink RAP
CUG-023.19	8K	82 46	RAPREAD	.C	Part of RAP.C
CUG-023.20	4K	EF A7	SANDERS	.SS	Sanders 12/7 printer SS file
CUG-023.21	2K	36 9D	SIMPLEPR	.SS	Rudimentary printer SS file
CUG-023.22	3K	FA 48	SIMPLEV	.SS	Rudimentary CRT SS file
CUG-023.23	2K	94 33	TTY43	.SS	Teletype Model 43 SS file
CUG-023.24	3K	53 29	VIEWAAA	.SS	Ann Arbor Ambassador SS file
CUG-023.25	3K	82 57	VIEWADDS	.SS	ADDS Viewpoint SS file
CUG-023.26	3K	8E B4	VIEWTRS2	.SS	Radio Shack TRS80-II SS file
CUG-024.1	7K	52 34	BASIC	.TEX	Basic macro package
CUG-024.2	8K	CF E4	CEDIT	.C	Epson MX-80 character editor
CUG-024.3	8K	18 AC	CEDIT	.COM	Epson MX-80 character editor
CUG-024.4	5K	5C C8	CEDIT	.CRL	Epson MX-80 character editor
CUG-024.5	10K	33 69	HACKERS	.TEX	Manual for TEX hackers
CUG-024.6	5K	A0 6B	INSTALL	.GDE	Installation guide, read first
CUG-024.7	1K	76 BF	MACRO	.TEX	Generic macro package manual
CUG-024.8	3K	20 BD	MASTER	.CHR	Epson MX-80 master character set
CUG-024.9	8K	60 D9	MATH1	.FON	First math font for TEX
CUG-024.10	7K	A2 01	MATH2	.FON	Second math font for TEX
CUG-024.11	2K	6C 70	MBASIC	.TEX	Basic macro package users manual
CUG-024.12	7K	0A EE	MSCRIBE	.TEX	Scribe macro package users manual
CUG-024.13	4K	34 B5	OPT12	.FON	Optima-like font for TEX
CUG-024.14	1K	DE AD	SBASIC	.TEX	Basic macro package w/o math cmds
CUG-024.15	2K	BC A5	SCRIBE	.TEX	Scribe macro package
CUG-024.16	7K	9B A0	SCRIBE+	.TEX	Scribe macro package w/o math cmds
CUG-024.17	36K	2D 4A	TEX	.C	TEX Text formatter/printer program
CUG-024.18	21K	90 6C	TEX	.COM	TEX Text formatter/printer program
CUG-024.19	45K	8B 85	TFXIMAN	.TEX	Users manual for TFX formatter/printer

CUG-025.1	1K	9F	82	ASCII	.H	ASCII char definition header file
CUG-025.2	1K	2E	E2	CLRSCRN	.NRO	Manual page input to NRO.COM
CUG-025.3	1K	DC	E1	CRT	.H	Video library header file
CUG-025.4	8K	7C	82	DEFLECT	.C	Deflection game
CUG-025.5	1K	BF	9E	DEFLECT	.NRO	Manual page input to NRO.COM
CUG-025.6	1K	62	DD	ERALIN	.NRO	Manual page input to NRO.COM
CUG-025.7	1K	B6	44	HOMCUR	.NRO	Manual page input to NRO.COM
CUG-025.8	2K	EF	28	LIB01	.C	Osborne 1 video library
CUG-025.9	1K	B3	6E	LIB01	.NRO	Manual page input to NRO.COM
CUG-025.10	2K	4E	70	LIBVT52	.C	DEC VT-52 terminal video library
CUG-025.11	2K	52	B5	LIBVT52	.NRO	Manual page input to NRO.COM
CUG-025.12	1K	A0	F5	MOVCUR	.NRO	Manual page input to NRO.COM
CUG-025.13	14K	47	C8	NRO	.COM	Word processor similar to ROFF & WP
CUG-025.14	5K	21	56	NRO	.MAN	Manual page describing NRO.COM
CUG-025.15	4K	A6	84	NRO	.NRO	Manual page input to NRO.COM
CUG-025.16	1K	95	72	SETCUR	.NRO	Manual page input to NRO.COM
CUG-025.17	6K	56	1A	VTTT	.C	Video Tick-Tac-Toe game
CUG-025.18	1K	E0	A7	VTTT	.NRO	Manual page input to NRO.COM

CUG-026.1	6K	5C	89	BDSCIO	.H	BDS C I/O header
CUG-026.2	16K	85	F8	CONFIG	.COM	Configuration program object
CUG-026.3	2K	A5	92	CONFIG	.H	Configuration program header
CUG-026.4	15K	16	7C	CONFIG1	.BDS	Part of configuration program
CUG-026.5	4K	C1	CE	CONFIG2	.BDS	Part of configuration program
CUG-026.6	2K	EA	67	CONFIG3	.BDS	Part of configuration program
CUG-026.7	1K	CF	8A	ED	.H	Reams Editor header
CUG-026.8	1K	AD	DE	ED1	.CCC	Part of Reams Editor
CUG-026.9	9K	A8	BC	ED10	.BDS	Part of Reams Editor
CUG-026.10	4K	63	8C	ED10	.CRL	Part of Reams Editor
CUG-026.11	9K	03	E1	ED2	.BDS	Ed Reams Editor main source
CUG-026.12	23K	9A	AD	ED2	.COM	Ed Reams Editor object
CUG-026.13	6K	B2	87	ED2	.CRL	Part of Reams Editor
CUG-026.14	14K	40	37	ED3	.BDS	Part of Reams Editor
CUG-026.15	7K	FA	A3	ED3	.CRL	Part of Reams Editor
CUG-026.16	13K	B5	C5	ED4	.BDS	Part of Reams Editor
CUG-026.17	7K	20	66	ED4	.CRL	Part of Reams Editor
CUG-026.18	4K	4F	65	ED5	.BDS	Part of Reams Editor
CUG-026.19	2K	52	FB	ED5	.CRL	Part of Reams Editor
CUG-026.20	2K	47	05	ED6	.CCC	Part of Reams Editor
CUG-026.21	2K	8C	3D	ED6	.CRL	Part of Reams Editor
CUG-026.22	3K	A8	A6	ED7	.BDS	Part of Reams Editor
CUG-026.23	3K	2D	6D	ED7	.CRL	Part of Reams Editor
CUG-026.24	5K	55	1F	ED8	.BDS	Part of Reams Editor
CUG-026.25	3K	B7	2C	ED8	.CRL	Part of Reams Editor
CUG-026.26	4K	D4	01	ED9	.BDS	Part of Reams Editor
CUG-026.27	3K	26	C2	ED9	.CRL	Part of Reams Editor
CUG-026.28	1K	ED	3B	EDCOMP	.SUB	Submit file to compile Reams ed
CUG-026.29	2K	9A	86	EDEXT	.CC	Part of Reams Editor
CUG-026.30	1K	B2	CF	EDLINK	.SUB	Submit file to link Reams editor
CUG-026.31	6K	51	35	EDSUM	.DOC	Reams Editor submit documentation
CUG-026.32	21K	38	FD	GUIDE	.DOC	Reams Editor users guide
CUG-026.33	8K	A4	41	INSTALL	.BAK	
CUG-026.34	8K	2E	38	INSTALL	.DOC	Reams Editor installation doc
CUG-026.35	5K	42	84	MODULE	.DOC	Reams Editor module documentation
CUG-026.36	5K	80	39	REVIEW	.DOC	Reams Editor review

CUG-027.1	22K	14	20	C80	.COM	C Compiler ?
CUG-027.2	18K	93	B9	C80LIB	.	
CUG-027.3	22K	17	22	C80STR	.COM	
CUG-027.4	1K	9A	96	CONFIG	.C	Configuration program source
CUG-027.5	15K	0F	06	CONFIG	.COM	Configuration program object
CUG-027.6	15K	9B	6F	CONFIG1	.C	Part of CONFIG.C
CUG-027.7	4K	35	43	CONFIG2	.C	Part of CONFIG.C
CUG-027.8	2K	F1	74	CONFIG3	.C	Part of CONFIG.C
CUG-027.9	1K	F5	68	ED	.C	Part of Reams Editor

CUG-027.10	1K	D3 D9	ED0	.C	Part of Reams Editor
CUG-027.11	1K	A1 D7	ED1	.CCC	Part of Reams Editor
CUG-027.12	9K	46 44	ED10	.C	Part of Reams Editor
CUG-027.13	9K	2E 40	ED2	.C	Part of Reams Editor
CUG-027.14	13K	0A 59	ED3	.C	Part of Reams Editor
CUG-027.15	13K	00 FA	ED4	.C	Part of Reams Editor
CUG-027.16	4K	CF 52	ED5	.C	Part of Reams Editor
CUG-027.17	2K	0D 62	ED6	.CCC	Part of Reams Editor
CUG-027.18	3K	63 D0	ED7	.C	Part of Reams Editor
CUG-027.19	5K	F4 5E	ED8	.C	Part of Reams Editor
CUG-027.20	5K	DF F6	ED9	.C	Part of Reams Editor
CUG-027.21	6K	51 35	EDSUM	.DOC	Reams Editor documentation
CUG-027.22	21K	38 FD	GUIDE	.DOC	Reams Editor documentation
CUG-027.23	8K	9D 86	INSTALL	.DOC	Reams Editor installation doc
CUG-027.24	5K	42 84	MODULE	.DOC	Reams Editor module documentation
CUG-028.1	8K	A6 BC	AUGMOTU	.MSS	Bugs/fixes from Mark of the Unicorn
CUG-028.2	3K	DA AB	AUXIL	.DIF	Scribble & Crayon hacks (difference)
CUG-028.3	2K	BD 53	BDOSUSER	.ASM	CP/M 2.2 User 0 public patch
CUG-028.4	2K	D5 DE	BIOSMEMR	.ASM	Non-destructive memory test
CUG-028.5	10K	00 D0	CBIND	.C	Custom bindings incl insert file
CUG-028.6	1K	0C F8	CBIND	.SUB	Submit file for CBIND.C into MINCE
CUG-028.7	1K	77 F4	CCPPAT	.ASM	CP/M 2.2 search A: for .COM patch
CUG-028.8	6K	1E 8D	COMM4	.C	Mince example
CUG-028.9	8K	30 EA	COMM5	.C	Mince commands and extentionons
CUG-028.10	3K	0D 81	COMMDS	.C	Mince extentions and commentary
CUG-028.11	7K	12 CC	COMMT00	.DIF	More Mince extentions
CUG-028.12	1K	24 F8	COPYRIGH	.MSS	Limited distribution authorization
CUG-028.13	5K	FD AD	CRAYON	.DIF	Crayon extentions
CUG-028.14	1K	A2 4B	CRAYONH	.DIF	More Crayon extentions
CUG-028.15	1K	F4 AD	CURLER	.SUB	Submit file to compile Mince
CUG-028.16	8K	E2 AE	DEMO	.C	Mark of Unicorn demo disk creation
CUG-028.17	1K	D0 B8	DRIVER	.DIF	More Crayon extentions
CUG-028.18	3K	7C 6C	DWSMITH	.MSS	Mince extention notes
CUG-028.19	8K	44 81	FORMAT91	.ASM	1771 format for 1791/3 compatibility
CUG-028.20	3K	57 8E	JDSTONE	.MSS	Scribble & Crayon extention notes
CUG-028.21	1K	09 7A	LCBIND	.SUB	Submit for large bindings into Mince
CUG-028.22	1K	F8 3E	LCURLER	.SUB	Submit for large Mince compile
CUG-028.23	15K	25 E1	MACBIND	.C	Search & scroll-redisplay extentions
CUG-028.24	1K	9C C3	MLIST	.C	Mailing list manager example
CUG-028.25	1K	CE F2	MPTAB	.C	Page mode tab
CUG-028.26	5K	21 2E	NOTES	.MSS	Notes on MACBIND, SCRBTTEST
CUG-028.27	2K	32 5A	OGOLDMAN	.MSS	Crayon page-pause problem fix
CUG-028.28	4K	3A 36	QUARTZ	.C	Quartz mode code for non-EMACS people
CUG-028.29	21K	C6 87	SCRBTTEST	.MSS	Scribble/Crayon exerciser
CUG-028.30	2K	14 AC	SD	.COM	Super directory
CUG-028.31	20K	B8 52	SD-22	.ASM	SD Source
CUG-028.32	7K	A1 86	SEPTMOTU	.MSS	Bugs/fixes from Mark of the Unicorn
CUG-028.33	4K	D1 59	SUBFORM	.MSS	Program/extention submittal form
CUG-028.34	10K	0D CA	TABS	.C	Extention for random selectable tabs
CUG-028.35	5K	3B 78	UGFORM	.MSS	Amethyst User's Group membership form
CUG-028.36	3K	59 86	VIEW	.C	Non-destructive Vew-only mode
CUG-029.1	5K	CF 83	CRYPTC	.PAK	File encryption program source
CUG-029.2	7K	82 13	CRYPTCOM	.PAK	Object of CRYPTC
CUG-029.3	7K	08 94	EDIT2C	.PAK	Segment of QED source
CUG-029.4	6K	B7 31	EDIT3C	.PAK	Segment of QED source
CUG-029.5	14K	02 CD	EDITC	.PAK	QED editor source
CUG-029.6	21K	61 84	EDITCOM	.PAK	Object of EDITC
CUG-029.7	7K	02 A5	EDITDOC	.PAK	Documentation for QED editor
CUG-029.8	2K	8F F8	EDITHLP	.PAK	Help message file for QED editor
CUG-029.9	3K	38 44	EDITINC	.PAK	Global definitions for QED editor
CUG-029.10	2K	8C 37	ENVIRON	.DOC	Environment & requirements
CUG-029.11	3K	1C 3A	HELPC	.PAK	Tutorial program for QED editor
CUG-029.12	6K	A0 0A	HELPCOM	.PAK	Object of HELPCOM
CUG-029.13	8K	09 A5	HELPEDT	.PAK	Data files for HELPCOM

CUG-029.14	3K	79	90	HIST	.PAK	Note on origins of QED & ROFF
CUG-029.15	6K	62	D8	NDIOC	.PAK	New directed I/O for BDS C
CUG-029.16	9K	C5	A7	PACKC	.PAK	Pack program source
CUG-029.17	10K	D9	6B	PACKCOM	.PAK	Object of PACKC
CUG-029.18	5K	E5	4D	PACKDOC	.PAK	Documentation for PACKC
CUG-029.19	8K	9A	5F	ROFF1C	.PAK	Runoff source
CUG-029.20	7K	12	7A	ROFF2C	.PAK	Part of ROFF1C
CUG-029.21	15K	B9	8B	ROFFCOM	.PAK	Object of ROFF
CUG-029.22	5K	A4	7F	ROFFDOC	.PAK	Tutorial on use of ROFF
CUG-029.23	3K	46	4F	ROFFGLOB	.PAK	Global declarations for ROFF
CUG-029.24	1K	6F	95	UBGETC	.	Modified getc() for QED editor
CUG-029.25	11K	0F	45	UNPACK	.COM	Used to unpack this disk
CUG-029.26	8K	F6	A8	UNPACKC	.PAK	Unpack source
CUG-029.27	1K	C0	11	UNPAKIT	.SUB	Submit file to unpack & rename disk
CUG-030.1	6K	2A	F5	A18	.C	RCA 1802 (COSMAC) assembler source
CUG-030.2	35K	DF	5A	A18	.DOC	Documentation for 1802 assembler
CUG-030.3	5K	8E	54	A18	.GBL	Common include file for A18*
CUG-030.4	8K	98	9E	A18ASMLN	.C	Part of A18.C
CUG-030.5	8K	CA	12	A18EVAL	.C	Part of A18.C
CUG-030.6	9K	AF	FD	A18GET	.C	Part of A18.C
CUG-030.7	5K	26	17	A18PUT	.C	Part of A18.C
CUG-030.8	4K	47	A0	A18SYMB	.C	Part of A18.C
CUG-030.9	2K	04	25	A18TBLS	.CRL	Part of A18.C
CUG-030.10	12K	ED	50	A18TBLS	.MAC	Part of A18.C
CUG-030.11	5K	ED	49	A68	.C	Motorola 6800 assembler source
CUG-030.12	37K	C7	EB	A68	.DOC	Documentation for 6800 assembler
CUG-030.13	6K	22	6C	A68	.GBL	Common include file for A68*
CUG-030.14	9K	84	2B	A68ASMLN	.C	Part of A68.C
CUG-030.15	8K	57	18	A68EVAL	.C	Part of A68.C
CUG-030.16	9K	56	8F	A68GET	.C	Part of A68.C
CUG-030.17	5K	84	09	A68PUT	.C	Part of A68.C
CUG-030.18	3K	6B	A9	A68SYMB	.C	Part of A68.C
CUG-030.19	2K	66	69	A68TBLS	.CRL	Part of A68.C
CUG-030.20	12K	28	7F	A68TBLS	.MAC	Part of A68.C
CUG-030.21	1K	A5	82	ADCOPY	.COM	
CUG-030.22	2K	FE	D9	BIGDIR	.C	Alternate one-screen DIR/STAT
CUG-030.23	9K	94	B1	DISK	.C	Disk surgery program
CUG-030.24	9K	68	62	ELFTAPE	.C	Read/write COSMAC/ELF tape program
CUG-030.25	1K	6D	24	ELFTAPE1	.CRL	Read/write COSMAC/ELF tape program
CUG-030.26	8K	F4	F1	ELFTAPE1	.MAC	Part of ELFTAPE.C
CUG-030.27	9K	C9	13	M80CRL	.DOC	How to use M80 to output .CRL files
CUG-030.28	2K	71	65	TARFMT	.COM	Read/write Tarbell tape program
CUG-030.29	1K	7C	54	TDDCPY	.COM	
CUG-031.1	1K	2A	91	ADVCOMP	.SUB	Submit file to compile ADVENTURE
CUG-031.2	5K	04	1A	ADVENT	.C	ADVENTURE game
CUG-031.3	10K	24	46	ADVENT	.COM	ADVENTURE game
CUG-031.4	5K	B7	D2	ADVENT	.CRL	ADVENTURE game
CUG-031.5	6K	89	7C	ADVENT	.H	Header file for ADVENT programs
CUG-031.6	18K	03	71	ADVENT1	.DAT	Adventure data file
CUG-031.7	7K	72	82	ADVENT2	.DAT	Adventure data file
CUG-031.8	1K	66	68	ADVENT3	.DAT	Adventure data file
CUG-031.9	4K	0B	2C	ADVENT4	.DAT	Adventure data file
CUG-031.10	6K	FC	51	ADVENT5	.DAT	Adventure data file
CUG-031.11	18K	C2	CB	ADVENT6	.DAT	Adventure data file
CUG-031.12	1K	7A	1E	ADVLINK	.SUB	Submit file to link ADVENTURE
CUG-031.13	7K	40	71	DATABASE	.C	Data manipulation sub-program
CUG-031.14	5K	53	34	DATABASE	.CRL	Data manipulation sub-program
CUG-031.15	1K	63	C1	EADVENT	.C	ADVENTURE main operating link
CUG-031.16	24K	7F	89	EADVENT	.COM	ADVENTURE main operating link
CUG-031.17	1K	AF	B1	EADVENT	.CRL	ADVENTURE main operating link
CUG-031.18	3K	2D	BE	ENGLISH	.C	Part of ADVENTURE
CUG-031.19	2K	D7	6D	ENGLISH	.CRL	Part of ADVENTURE
CUG-031.20	3K	EA	13	ENVIRON	.DOC	Adventure env description & run notes
CUG-031.21	1K	12	14	HISTORY	.DOC	His or of ADVENTURE

CUG-031.22	4K	23	42	ITVERB	.C	Part of ADVENTURE
CUG-031.23	3K	64	FE	ITVERB	.CRL	Part of ADVENTURE
CUG-031.24	1K	5B	9F	MKADVENT	.SUB	Submit file to link ADVENTURE
CUG-031.25	1K	79	B3	MKEADVEN	.SUB	Submit file to link ADVENTURE
CUG-031.26	1K	16	BE	MKSAVEAD	.SUB	Submit file to link ADVENTURE
CUG-031.27	1K	B2	AD	SAVEADV	.C	ADVENTURE game save link program
CUG-031.28	7K	FB	11	SAVEADV	.COM	ADVENTURE game save link program
CUG-031.29	2K	D3	0E	SAVEADV	.CRL	ADVENTURE game save link program
CUG-031.30	14K	46	5B	TURN	.C	Part of ADVENTURE
CUG-031.31	10K	F1	43	TURN	.CRL	Part of ADVENTURE
CUG-031.32	13K	FD	F4	VERB	.C	Part of ADVENTURE
CUG-031.33	8K	A6	B2	VERB	.CRL	Part of ADVENTURE

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C>

-CUG	901	1K
CONTENTSDOC		8K
COOKBOOK		105K
COPY	FTN	12K
RATFOR	FTN	78K
READ	ME	2K
SINGLE	SUB	1K

7 file(s).

47 directory entries remaining.

-CUG	902	1K
ARGS	BDS	4K
BDS	DOC	4K
CHANGES	DOC	7K
CONVERT	BDS	8K
CONVR2C	DOC	6K
COPY	BDS	1K
DATE	BDS	2K
ECHO	BDS	1K
FILE	BDS	11K
FILE	DOC	3K
LINKARGSSUB		1K
LINKCOPYSUB		1K
MISC	BDS	1K
PATTERN	BDS	11K
RAT2C	BDS	4K
RAWFILE	BDS	4K
ROFF	H	5K
ROFF1	BDS	13K
ROFF2	BDS	18K
SINGLE	SUB	1K
STORAGE	BDS	2K

More..

STRING	BDS	5K
SYMLINK	SUB	1K
SYMTAB	BDS	9K
TOOLIB1	BDS	14K
TOOLIB1	CRL	6K
TOOLIB2	CRL	6K
TOOLS	H	7K
TOOLS	SUB	1K

30 file(s).

33 directory entries remaining.

-CUG	903	1K
ARGUDEFs		2K
BANNER	DOC	2K
BANNER	RAT	54K
CMP	DOC	1K
CMP	RAT	2K
CTO-XXX		5K
CTOD	DOC	2K
CTOP	DOC	2K
CTOR	DOC	2K
CTOV	DOC	2K
DARKEN	RAT	1K
DECODE	DOC	7K
DECODE	RAT	15K
DOPRINT	DOC	5K
DOPRINT	RAT	16K
DTOC	DOC	3K
ENCODE	DOC	11K
ENCODE	RAT	21K
GCD	DOC	1K

1K
INPUT DOC 4K

More..

INPUT RAT 2K
INVMOD DOC 1K
INVMOD RAT 2K
JOIN DOC 1K
JOIN RAT 2K
LABEL RAT 12K
MAIL DOC 3K
MAIL RAT 14K
MAILID DOC 1K
MAN DOC 1K
MAN SHL 1K
MATH DOC 8K
MATH RAT 19K
SINGLE1 SUB 1K

36 file(s).

23 directory entries remaining.

F>

-CUG 904 1K
OS DOC 1K
OS RAT 6K
PAD RAT 1K
PAGE DOC 3K
PAGE RAT 4K
PARSCL DOC 5K
PARSCL RAT 5K
PG DOC 3K
PG RAT 2K
POSTMN RAT 2K
PP RAT 10K
PRIME DOC 2K
PRIME RAT 1K
PRINT DOC 3K
PRINT RAT 1K
PRINTF DOC 4K
PRINTF RAT 6K
PTOC DOC 2K
PWRMOD DOC 1K
PWRMOD RAT 1K
RSA DOC 3K

More..

RSA RAT 6K
RTOC DOC 3K
SET 8K
SETCOPY DOC 2K
SETCREATDOC 2K
SETDEL DOC 2K
SETELE DOC 2K
SETEQ DOC 1K
SETINIT DOC 1K
SETINS DOC 2K
SETINTERDOC 2K
SETREM DOC 2K
SETSBSETDOC 2K
SETSUBTRDOC 2K
SETUNIONDOC 2K
SINGLE2 SUB 1K
SSOLVE DOC 1K
SSOLVE RAT 3K
STATS DOC 3K
STATS RAT 7K
TA1 RAT 12K

More..

TRIM	RAT	1K
VTOC	DOC	1K
XLIB		5K
XXX-TOC		12K

48 file(s).

16 directory entries remaining.

-CUG	905	1K
AR/VER1	DOC	7K
AR/VER1	RAT	19K
AR/VER2	DOC	7K
AR/VER2	RAT	20K
CAT	DOC	2K
CAT	RAT	1K
CH	DOC	4K
CH	RAT	4K
COMM	DOC	2K
COMM	RAT	4K
CPRESS	DOC	1K
CPRESS	RAT	3K
CRT	DOC	2K
CRT	RAT	3K
CRYPT	DOC	2K
CRYPT	RAT	2K
DATE	DOC	1K
DATE	RAT	1K
DC	DOC	4K
DC	RAT	18K
DETAB	DOC	1K

More..

DETAB	RAT	4K
DIFF	DOC	4K
DIFF	RAT	25K
SINGLE1	SUB	1K

26 file(s).

34 directory entries remaining.

-CUG	906	1K
ECHO	DOC	1K
ECHO	RAT	1K
EDIN	DOC	4K
EDIN	RAT	26K
EDIT	DOC	18K
EDIT	RAT	42K
ENTAB	DOC	1K
ENTAB	RAT	5K
EXPAND	DOC	1K
EXPAND	RAT	3K
FB	DOC	4K
FB	RAT	15K
FIELD	DOC	3K
FIELD	RAT	6K
FIND	DOC	3K
FIND	RAT	3K
INCL	DOC	2K
INCL	RAT	4K
KWIC	DOC	2K
KWIC	RAT	2K
LAM	DOC	2K

More..

LAM	RAT	3K
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LL RAT 2K
SINGLE2 SUB 1K
26 file(s).
34 directory entries remaining.

-CUG	907	1K
MACRO	DOC	7K
MACRO1	RAT	13K
MACRO2	RAT	18K
MCOL	DOC	3K
MCOL	RAT	8K
MV	DOC	1K
MV	RAT	1K
OS	DOC	1K
OS	RAT	2K
PL	DOC	2K
PL	RAT	6K
PR	DOC	2K
PR	RAT	5K
RATDEF		9K
RATFOR	DOC	19K
RATFOR	RAT	74K
REV	DOC	1K
REV	RAT	2K
RM	DOC	2K
RM	RAT	3K
ROFF	DOC	8K

More..

ROFF	RAT	44K
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SINGLE3 SUB 1K
24 file(s).
32 directory entries remaining.

-CUG	908	1K
SEDIT	DOC	6K
SEDIT	RAT	21K
SHELL	DOC	12K
SHELL	RAT	60K
SINGLE4	SUB	1K
SORT	DOC	3K
SORT	RAT	19K
SPELL	DOC	1K
SPELL	RAT	10K
SPLIT	DOC	3K
SPLIT	RAT	7K
TAIL	DOC	1K
TAIL	RAT	4K
TEE	DOC	1K
TEE	RAT	1K
TR	DOC	3K
TR	RAT	3K
TSORT	DOC	2K
TSORT	RAT	7K
UNIQ	DOC	1K
UNIQ	RAT	3K

More..

UNROT	DOC	1K
UNROT	RAT	4K
WC	DOC	1K
WC	RAT	4K
XREF	DOC	2K
XREF	RAT	9K

28 file(s).

5 directory entries remaining.

-CUG	909	1K
ADDSET	DOC	1K
ADDSTR	DOC	1K
AMATCH	DOC	2K
AMOVE	DOC	2K
CANT	DOC	1K
CLOSE	DOC	2K
CLOWER	DOC	1K
CONCAT	DOC	1K
CREATE	DOC	2K
CTOC	DOC	2K
CTOI	DOC	1K
CTOMN	DOC	1K
CUPPER	DOC	1K
DEFNS	DOC	5K
DELARG	DOC	1K
DELETE	DOC	2K
DSFREE	DOC	2K
DSGET	DOC	3K
DSINIT	DOC	2K
ENDST	DOC	1K
ENTER	DOC	2K

More..

EQUAL	DOC	1K
ERROR	DOC	1K
ESC	DOC	1K
FCOPY	DOC	1K
FLUSH	DOC	2K
FMTDAT	DOC	2K
FOLD	DOC	1K
GCTOI	DOC	2K
GETARG	DOC	3K
GETC	DOC	1K
GETCH	DOC	2K
GETLIN	DOC	3K
GETNOW	DOC	2K
GETPAT	DOC	2K
GETTYP	DOC	2K
GETWRD	DOC	1K
GFNARG	DOC	4K
GITOC	DOC	3K
INDEX	DOC	1K
INITST	DOC	2K
ISATTY	DOC	1K
ITOC	DOC	1K

More..

LENGTH	DOC	1K
LIBDEF		3K
LIBRARY	DOC	3K
LOOKUP	DOC	2K
LOWER	DOC	1K
PRIM-A		5K
PRIM-C		9K
PRIM-D		7K
PRIM-E		4K
PRIM-F		5K
PRIM-G		14K
PRIM-I		8K
PRIM-L		2K
SINGLE1 SUB		1K

58 file(s).

6 directory entries remaining.

-CUG	910	1K
EDIT1	PRM	17K
EDIT2	PRM	22K
MAKPAT	DOC	2K
MATCH	DOC	2K
MKTABL	DOC	2K
MKUNIQ	DOC	3K
MNTOC	DOC	2K
NOTE	DOC	2K
OPEN	DOC	4K
PRIM-M		10K
PRIM-N		2K
PRIM-O		4K
PRIM-P		6K
PRIM-Q		1K
PRIM-R		5K
PRIM-S		9K
PRIM-T		4K
PRIM-U		1K
PRIM-W		1K
PROMPT	DOC	2K
PUTC	DOC	1K

More..

PUTCH	DOC	1K
PUTDEC	DOC	1K
PUTINT	DOC	1K
PUTLIN	DOC	2K
PUTSTR	DOC	1K
QUERY	DOC	2K
RATFOR	PRM	18K
READF	DOC	2K
REMARK	DOC	2K
REMOVE	DOC	1K
RMTABL	DOC	2K
SCOPY	DOC	1K
SCTABL	DOC	3K
SDROP	DOC	1K
SEEK	DOC	2K
SINGLE2	SUB	1K
SKIPBL	DOC	1K
SPAWN	DOC	4K
STAKE	DOC	1K
STCOPY	DOC	1K
STRCMP	DOC	1K
STRIM	DOC	1K

More..

SUBSTR	DOC	2K
TYPE	DOC	1K
UPPER	DOC	1K
WKDAY	DOC	1K
WRITEF	DOC	2K

49 file(s).

12 directory entries remaining.

-CUG	911	1K
A1		12K
A2		15K
B		23K
C1		20K
C2		22K
D		26K
E		19K
F		17K

	13K
H	15K
I	21K
J	4K
K	5K
L	12K
SINGLE1 SUB	1K
16 file(s).	
41 directory entries remaining.	

-CUG	912	1K
M		22K
N		9K
O		10K
P1		17K
P2		16K
Q		2K
R		24K
S1		21K
S2		25K
SINGLE2 SUB		1K
T		20K
U		12K
V		7K
W		10K
X		1K
Y		2K
Z		1K

18 file(s).
40 directory entries remaining.

-CUG	X01	1K
AB080	C	7K
ACRL	C	6K
ACRL	CAT	1K
ACRL	COM	18K
ACRL	DOC	3K
ACRL	H	5K
AEXP	C	5K
ALEX	C	8K
APAR	C	8K
BDS	EQU	1K
CATALOGSDOC		1K
CCACRL	SUB	1K
FPUT	C	7K
FPUT	CAT	1K
FPUT	COM	7K
FPUT	DOC	1K
LINKACRLSUB		1K
READ	ME	1K
TEST1	CSM	2K
TEST2	CSM	3K
TEST3	CSM	2K

22 file(s).

41 directory entries remaining.

-CATALOGDOC		2K
-CUG	X02	1K
-README	DOC	5K
AN	NRO	1K
CASM2	C	24K
CMDUTIL	C	6K
CMDUTIL	H	1K
CMDUTIL	NRO	13K
CORO	H	3K
CORO	NRO	12K
COR01	C	7K
COR02	CSM	8K
CORODOC	NRO	24K
CPROFILE2CSM		12K
CPROFILEC		19K
CPROFILENRO		3K
CTOA	C	20K
CTOA	H	5K
CTOA	NRO	2K
CTOA2	C	11K
CTOATBLSCSM		9K
CTOATBLSH		2K

More..

DIFF	C	11K
DIFF	NRO	4K
GENREL	C	6K
INSTALL	DOC	3K
PIP	CMD	8K
RETAB	C	5K

28 file(s).

32 directory entries remaining.

-CUG	X03	1K
BDSCIO	H	6K
BLDC	SUB	1K
CANEW	C	21K
CANEW	COM	24K
CB	C	4K
CD	C	10K

CE6809	C	8K
COLORLIBA69		12K
CWRITER	C	2K
CWRITER	DOC	4K
CWRTINI	C	2K
DLOAD		7K
FPASS0	C	6K
FPASS1	C	2K
FPASS2	C	1K
GRAPH	H	2K
LIB		5K
PASS0	C	3K
PASS1	C	3K
PASS2	C	1K

More..

PRELUDE		1K
README	DOC	11K
RUN		3K
RUN6809	A69	4K
SER6809		2K
SER69	A69	2K
SERIO	C	2K
SERIO	COM	5K
SHOOT	C	4K
SHOOT	GPH	1K
SHOOT	H	1K
SHOOT1	C	7K
SHOOT1	H69	24K
SHOOTINIC		3K

36 file(s).

25 directory entries remaining.

F>

S000	READTHIS.		explains how to use this disk
S000	CRC .COM		checksum program
S000.01	/ .COM	3K	FAST - speeds search
S000.02	FIND .COM	1K	Program to locate information
S001	-CATALOG.001	1k	Contents of Sig/M Users Group volume 1
S001	ABSTRACT.001	2k	Notes on ADVENTURE
S001.01	AD.COM	39k	Original ADVENTURE game
S001.02	ADVENTUR.MSG	63k	Database file - location descriptions
S001.03	ATAB.DAT	2k	Database file - vocabulary words
S001.04	COMMON.DAT	4k	Database file - common
S001.05	KTAB.DAT	1k	Database file - vocabulary words
S001.06	LTEXT.DAT	1k	Database file - locations
S001.07	RTEXT.DAT	1k	Database file - random messages
S001.08	STEXT.DAT	1k	Database file - locations
S001.09	TRAVEL.DAT	5k	Database file - travel options
S002	-CATALOG.002	1k	Catalog of Sig/M Users Group volume 2
S002	ABSTRACT.002	3k	Implementation notes
S002.01	ADINIT.COM	28k	Used to create ADVENTURE database files
S002.02	ADVENSUB.FOR	13k	Subroutine used in AD.COM and ADINIT.COM
S002.03	ADVENT.FOR	5k	Subroutine used in ADINIT.COM
S002.04	ADVENTUR.DAT	74k	Database source for ADVENTURE
S002.05	ADVINIT3.FOR	29k	Subroutine used in ADINIT.COM
S002.06	ADVMAIN.FOR	47k	Main routine used in AD.COM
S002.07	INSUB.FOR	5k	Subroutine used in ADINIT.COM
S002.08	MAINSB.FOR	5k	Subroutine used in AD.COM
S003	-CATALOG.003	1k	Contents of Sig/M Users Group volume 3
S003	ABSTRACT.003	1k	Notes on expanded ADVENTURE
S003.01	ADV.COM	36k	Expanded ADVENTURE game
S003.02	ADVT.DAT	105k	Expanded ADVENTURE game database file
S003.03	ADVI.DAT	31k	Expanded ADVENTURE game database file
S003.04	ADVI.PTR	4k	Expanded ADVENTURE game subroutine
S003.05	ADVT.PTR	15k	Expanded ADVENTURE game subroutine
S004	-CATALOG.004	2k	Contents of Sig/M Users Group volume 4
S004.01	3740UTIL.ASM	60k	Copy CP/M to and from 3740 format
S004.02	3740UTIL.DOC	8k	Copy CP/M to and from 3740 format
S004.03	BDOS-PAT.ASM	2k	Make USER 0 (CP/M 2.X) public
S004.04	BMAP7/11.ASM	7k	Print allocation map
S004.05	CCPPATCH.ASM	1k	Make drive A: default for .COM files
S004.06	CHANGE.ASM	4k	ALS-8 to CP/M converter (Dr. Dobbs)
S004.07	CRCK3.ASM	8k	Create 16 bit CRC for a file
S004.08	DIRFIX.ASM	5k	CP/M 2.2 to 1.4 directory compatibility
S004.09	DIRSIO/1.ASM	9k	Sorted DIR with SYS and MP/M options
S004.10	DOWHILES.LIB	1k	DOWHILE construct MACRO library used by S004.01
S004.11	DU-8/12.ASM	16k	Disk Utility - update of C40.20
S004.12	DUPUSR2.ASM	8k	Create duplicate directory w/new user #
S004.13	EQUATES.LIB	4k	General assembly equates library used by S04.01
S004.14	FILPRINT.ASM	2k	Turn .TXT into .COM
S004.15	FINDBD37.ASM	27k	Updated program to lock out bad blocks
S004.16	FMAP6/12.ASM	9k	Sorted directory mapping program - C40.24 revised
S004.17	MACROS.LIB	16k	General MACRO library used by S004.01
S004.18	NCOMPARE.LIB	2k	8 bit COMPARE MACRO library used by S004.01
S004.19	PGOEQU.ASM	1k	Page 0 EQUATES - part of S004.09 DIRSIO/1.ASM
S004.20	SELECTS.LIB	2k	SELECT construct MACRO library used by S004.01
S004.21	SURVEY.COM	1k	List disk, memory use, and other parts
S004.22	SURVEY3.ASM	13k	List disk, memory use, and other parts
S004.23	SYMSTACK.LIB	1k	Symbol stack MACRO library - used by S004.01
S004.24	WHENS.LIB	1k	MACRO library of WHEN constructs used by S004.01
S004.25	XDIR6/28.ASM	8k	Sorted directory with sizes

S005	-CATALOG.005	1k	Contents of Sig/M Users Group volume 5
S005.01	CPUDIAG.ASM	14k	CPU test diagnostics for 8080 and 8085
S005.02	CPUDIAG.DOC	2K	CPU test diagnostics for 8080 and 8085
S005.03	MEMDIAG.DOC	12k	Memory diagnostic
S005.04	MEMDIAG.ASM	34k	Memory diagnostic
S005.05	3712DIAG.ASM	73k	iCOM SD controller diagnostic
S005.06	3812DIAG.ASM	93k	iCOM DD controller diagnostic
S005.07	3X12DIAG.DOC	2k	iCOM disk controller diagnostics
S005.08	CP/M-NET.MSG	4k	Proposed networking of User Groups
S006	-CATALOG.006	1k	Contents of Sig/M Users Group volume 6
S006	ABSTRACT.006	2k	Describes each module in 6502 Simulator
S006.01	ZILASM.COM	11k	6502 Simulator module
S006.02	ZX65.COM	5k	6502 Simulator module
S006.03	ZX65R.PRN	98k	Assembler listing of ZX65R.ZSM before relocation
S006.04	ZX65R.ZSM	39k	Source code for relocatable 6502 Simulator
S006.05	ZXART.DOC	15k	6502 Simulator article from Dr. Dobbs - Oct 1980
S006.06	ZXHINTS.DOC	9k	Information on 6502 Simulator load and run
S006.07	ZXLDR.PRN	23k	Assembler listing of ZXLDR.ZSM before relocation
S006.08	ZXLDR.ZSM	7k	Loader - contains relocation map for ZX65R
S006.09	ZXTAB1.DOC	1k	6502 to Z80 table from Dr. Dobbs
S006.10	ZXTAB2.DOC	1k	6502 to Z80 table from Dr. Dobbs
S006.11	ZXTAB3.DOC	1k	6502 to Z80 table from Dr. Dobbs
S006.12	ZXTAB4.DOC	1k	6502 to Z80 table from Dr. Dobbs
S006.13	CONCOD.LIB	2k	Control code definitions for 6502 Zapple
S006.14	ZAPMON.MOS	1k	Zapple Monitor for 6502
S006.15	ZAPMON.HEX	5k	Zapple Monitor for 6502
S006.16	ZAP3.INS	11k	Zapple module for 6502
S006.17	ZAP5.INS	3k	Zapple module for 6502
S006.18	ZAP1.INS	3k	Zapple module for 6502
S007	-CATALOG.007	2k	Contents of Sig/M Users Group volume 7
S007.01	DCHBYE55.ASM	23k	Remote console for DC Hayes modem
S007.02	FLIP-8/8.ASM	3k	Switch remote console to originate mode
S007.03	TAG.ASM	5k	Set/reset & display "no copy" (F1 bit) on a file
S007.04	MLIST34.ASM	9k	LIST command w/16k buffer
S007.05	MODEM926.ASM	45k	Remote communications program - update of C40.28
S007.06	PLINK925.ASM	21k	Update of C19.04 - remote CPU control program
S007.07	USER-8/8.ASM	2k	Replaces CP/M USER cmd on remote CPU
S007.08	XMODEM32.ASM	20k	DC Hayes modem support
S007.09	PURGE.ASC	4k	Remove "killed" msg's from RIBBs files - MBASIC
S007.10	RIBBS.ASC	20k	Remote Iselin bulletin board system - MBASIC
S007.11	MIC-XFER.ASM	7k	Xfer < > Micropolis 1.4 & 8" systems
S007.12	MIC-XFER.DOC	7k	Data transfer documentation
S007.13	XFER5-8.ASM	3k	Transfer files between 5" and 8"
S007.14	XFER8-5.ASM	3k	Transfer files between 5" and 8"
S007.15	V2FORMAT.ASM	5k	Versafloppy 2 format program
S007.16	MENU.ASM	9k	Creates menu of all .COM and .BAS files
S007.17	MEM-MAP.ASM	5k	Use to map RAM/ROM
S007.18	MOVE6/12.ASM	8k	Single drive COPY program
S007.19	RELDUMP.ASM	8k	DUMP Microsoft .REL files - uses MAC
S007.20	SAP-FIX.DOC	1k	Patches for C19.08
S007.21	TEXCLEAN.ASM	5k	Clear bit 7 of a text file
S007.22	TPA3.ASM	2k	Computes free space in TPA
S007.23	Z80EXT.LIB	3k	Extra Z80 opcodes
S008	-CATALOG.008	2k	Contents of Sig/M Users Group volume 8
S008.01	BOOT.ASM	1k	Sample 48K BOOT for PASCAL
S008.02	BOOTER.DOC	3k	PASCAL BOOT documentation for CP/M
S008.03	TEST.ASM	7k	Scan & load 8080/Z80 PASCAL interpreter
S008.04	PAS2CPM.ASM	8k	PASCAL to CPM diskette format conversion
S008.05	PASCAL.ASM	7k	UCSD PASCAL interpreter system
S008.06	PASCAL.COM	17k	UCSD PASCAL interpreter
S008.07	PASCAL.DOC	1k	UCSD PASCAL interpreter documentation
S008.08	PASTOCPM	12k	Convert PASCAL file to CPM file

S008.09	PBOOT.ASM	1k	48SD standardized BOOT for UCSD PASCAL interpreter
S008.10	PGEN.ASM	4k	PASCAL BOOT maintenance utility
S008.11	PGEN.COM	1k	PASCAL BOOT maintenance utility
S008.12	PINIT.ASM	6k	PASCAL interpreter INITIALization utility
S008.13	READ.ME	2k	PASCAL startup documentation
S008.14	CHAT13.ASM	5k	2-way communications with remote caller
S008.15	DCHBYE57.ASM	24k	Remote console DCHBYE55 upgrade [S007.01]
S008.16	MODEM5A.ASM	46k	Auto-dial/re-dial w/DC Hayes & PMMI modems
S008.17	PLNK1018.ASM	21k	Upgrade C19.04 & S007.06 w/more modem types
S008.18	NEWBAUD.ASM	4k	Switch BAUD rate on a remote PMMI modem
S008.19	RBBS22.ASC	20k	Update of RBBS S007.10
S008.20	RBBS22.DOC	6k	Documentation for RBBS - S008.19
S008.21	RBSUTL22.ASC	9k	Remote Bulletin Board UTiLity program
S008.22	MBOOT3.ASM	8k	Compacted MODEM for receive only usage
S008.23	XMODEM38.ASM	24k	Update S007.08 - remote CP/M to CP/M xfer

S009	-CATALOG.009	2k	Contents of Sig/M Users Group volume 9
S009.01	AUTOX.ASM	2k	Forces a CP/M command from a user level
S009.02	CPYFIL15.ASM	10k	COPY files > 512K thru PIP utility
S009.03	CRCK10/6.ASM	11k	Upgrade of CRCK3 in S004.07
S009.04	DIRS1015.ASM	9k	Sorted DIRectory from DIRS10/1 S004.09
S009.05	DISPLAY.COM	3k	Display ASCII file using ED.COM commands
S009.06	DISPLAY.DOC	3k	Display ASCII file using ED.COM commands
S009.07	DISLAYP.ASM	3k	Patch for DISPLAY.COM
S009.08	DU-10/26.ASM	18k	Update of Disk Utility in S004.09
S009.09	FIND3/18.ASM	10k	Multiple file search routine
S009.10	FINDBD38.ASM	29k	Update FINDBD37 S004.15 - bad diskette utility
S009.11	LISTGRPS.ASC	1k	LIST track and sector for each group
S009.12	MDIR8/17.ASM	10k	Alpha/Numeric master DIRectory by users
S009.13	MFT45.ASM	17k	Dr. Dobbs one drive multi-file transfer
S009.14	MIC-XFER.ASM	7k	Micropolis and regular CP/M file XFER
S009.15	MIC-XFER.DOC	5k	Micropolis and regular CP/M file XFER
S009.16	NFMAP.ASM	9k	Sorted DIR w/option of writing file
S009.17	NLIST.ASM	14k	LISTs disk file on LST: device
S009.18	SD-12/15.ASM	17k	Super directory sorted alphabetically with sizes
S009.19	SECTOR.ASM	10k	Sector disk maintenance program
S009.20	SHOWGRP.ASC	2k	Print track and sector addr of groups
S009.21	TERMTEST.ASM	2k	Terminal diagnostic program
S009.22	USERLST.ASM	3k	Display current USER in CP/M prompt
S009.23	VLIST11.ASM	8k	Variable speed LIST routine
S009.24	WHICH.ASM	4k	Displays present CP/M release level
S009.25	MIKEBIOS.ASM	8k	Flash writer I/O driver

S010	-CATALOG.010	1k	Contents of Sig/M Users Group volume 10
S010.01	LANES.BAS	6k	Interstellar commerce game - Microsoft BASIC
S010.02	JOURNAL.BAS	17k	Computer journal resource library
S010.04	BLACKBOX.BAS	3k	Microsoft BASIC game
S010.05	BOGGLE.BAS	1k	Microsoft BASIC game
S010.06	GAMMON.H19	11k	Backgammon for H19 terminal - Microsoft BASIC
S010.07	NIM1.H19	8k	Microsoft BASIC game for Heath terminal
S010.08	OTHELLO.H19	5k	Microsoft BASIC game for Heath terminal
S010.09	STARWAR2.H19	12k	Microsoft BASIC game for Heath terminal
S010.10	ALS8CPM.ASM	17k	Convert Proc Tech asm files to CP/M
S010.11	DIV16B.ASM	1k	16 bit division by 8 bit divisor
S010.12	DSIM.LIB	5k	CDOS calls for CP/M
S010.13	NSCPM48.ASM	22k	Run North Star BASIC under CP/M
S010.14	NSCPM48.DOC	8k	Run North Star BASIC under CP/M
S010.15	RETURN48.COM	1k	Run North Star BASIC under CP/M
S010.16	REZ.ASM	33k	RESOURCE disassembler resurrected with .ASM
S010.17	REZ.COM	7k	A nifty 8080 disassembler
S010.18	REZ.DOC	26k	Modified for Z80 TDL op codes
S010.19	REZ.Z80	36k	Disassembler modified for Zilog op codes

S011	-CATALOG.011	1k	Contents of Sig/M Users Group volume 11
S011	ABSTRACT.011	1k	Notes on expanded ADVENTURE - Replaces S003
S011.01	ADV.COM	36	Expanded ADVENTURE game

S011.02	ADVT.DAT	105k	Expanded ADVENTURE database
S011.03	ADVI.DAT	31k	Expanded ADVENTURE database
S011.04	ADVI.PTR	4k	Expanded ADVENTURE game subroutine
S011.05	ADVT.PTR	15k	Expanded ADVENTURE game subroutine
S012	-CATALOG.012	1k	Contents of Sig/M Users Group volume 12
S012.01	CATALOG.SRT	23k	Cross reference of CP/M vol 1-47 & Sig/M vol 1-11
S012.02	CAT.COM	1k	Catalog program
S012.03	MAST.CAT	7K	Catalog database file
S012.04	WIDE.COM	1k	MX-80 line compression program
S012.05	P4	24k	Cross ref by file type - CPMUG 1-47 & Sig/M 1-11
S012.06	P5	24k	Cross ref by file type - CPMUG 1-47 & Sig/M 1-11
S012.07	P6	24k	Cross ref by file type - CPMUG 1-47 & Sig/M 1-11
S012.08	P7	24k	Cross ref by file type - CPMUG 1-47 & Sig/M 1-11
S013	-CATALOG.013	2k	Contents of Sig/M Users Group volume 13
S013	-CUGFORM.LIB	4k	CPMUG submittal form
S013	-SIGFORM.LIB	2k	Sig/M submittal form
S013.01	MITSCNVT.ASM	28k	MITS to CP/M file conversion
S013.02	MITSCNVT.COM	7k	MITS to CP/M file conversion
S013.03	MITSCNVT.CPM	3k	MITS to CP/M file conversion
S013.04	MITSCNVT.DOC	7k	MITS to CP/M file conversion
S013.05	MITSCNVT.HEX	8k	MITS to CP/M file conversion
S013.06	ABORTSUB.COM	2k	HELP file system utility
S013.07	HELP.ASM	13k	HELP file system
S013.08	SYSLIB.HLP	37k	System utility library routines
S013.09	SYSLIB.REL	9k	System utility library routines
S013.10	HELP.COM	2k	HELP file system
S013.11	MASM.SUB	1k	MACRO-80 assembler & linker HELP file
S013.12	PHELP.COM	2k	print utility HELP file
S013.13	PHELP.MAC	6k	HELP print utility MACROs
S013.14	HELP.DOC	4k	HELP file system documentation
S013.15	SD-2/6.ASM	18k	Updated SUPER DIRectory display
S013.16	SD.COM	2k	Updated SUPER DIRectory display
S013.17	ENTAB.ASM	6k	Space suppression program
S013.18	ENTAB.COM	1k	Space suppression program
S013.19	UTIL.FOR	2k	FORTTRAN array handling subroutine
S013.20	LOOPBAK1.BAS	2k	PMMI loop back test
S013.21	FORTH11.ASM	40k	Fig-FORTH version 1.1 source
S013.22	FORTH11.COM	23k	Fig-FORTH version 1.1 object
S013.23	FORTH11.DOC	4k	Fig-FORTH version 1.1 documentation
S014	-CATALOG.014	2k	Contents of Sig/M Users Group volume 14
S014.01	HELP.COM	2k	HELP file system
S014.02	HELP.HLP	7k	HELP system - HELP file system
S014.03	CPM.HLP	31k	HELP system - CP/M 1.4
S014.04	CPM2.HLP	37k	HELP system - CP/M 2.2
S014.05	ASM.HLP	4k	HELP system - CP/M 1.4 ASM (assembler)
S014.06	ASM2.HLP	4k	HELP system - CP/M 2.2 ASM (assembler)
S014.07	MAC.HLP	8k	HELP system - CP/M MAC(macro assembler)
S014.08	MBASIC.HLP	21k	HELP system - Microsoft BASIC
S014.09	CBASIC.HLP	14k	HELP system - CBASIC
S014.10	EBASIC.HLP	12k	HELP system - BASIC-E
S014.11	CBASIC2.HLP	22k	HELP system - CBASIC-2
S014.12	MASM.HLP	8k	HELP system - MACRO-80 (M80)
S014.13	ALGOLM.HLP	13k	HELP system - ALGOL-M
S014.14	C.HLP	17k	HELP system - BDS 'C'
S014.15	FORTTRAN.HLP	7k	HELP system - Microsoft FORTRAN
S014.16	PASCAL.HLP	10k	HELP system - PASCAL/MT
S015	-CATALOG.015	2k	Contents of Sig/M Users Group volume 15
S015	CRCKFILE.015	2k	CRC check file
S015.01	CATALOG.001	6k	Catalog and abstracts of CPMUG volume 1
S015.02	CATALOG.002	1k	Catalog and abstracts of CPMUG volume 2
S015.03	CATALOG.003	13k	Catalog and abstracts of CPMUG volume 3
S015.04	CATALOG.004	4k	Catalog and abstracts of CPMUG volume 4

S015.05	CATALOG.005	3k	Catalog and abstracts of CPMUG volume 5
S015.06	CATALOG.006	2k	Catalog and abstracts of CPMUG volume 6
S015.07	CATALOG.007	2k	Catalog and abstracts of CPMUG volume 7
S015.08	CATALOG.008	4k	Catalog and abstracts of CPMUG volume 8
S015.09	CATALOG.009	2k	Catalog and abstracts of CPMUG volume 9
S015.10	CATALOG.010	1k	Catalog and abstracts of CPMUG volume 10
S015.11	CATALOG.011	2k	Catalog and abstracts of CPMUG volume 11
S015.12	CATALOG.012	1k	Catalog and abstracts of CPMUG volume 12
S015.13	CATALOG.013	12k	Catalog and abstracts of CPMUG volume 13
S015.14	CATALOG.014	3k	Catalog and abstracts of CPMUG volume 14
S015.15	CATALOG.015	2k	Catalog and abstracts of CPMUG volume 15
S015.16	CATALOG.016	8k	Catalog and abstracts of CPMUG volume 16
S015.17	CATALOG.017	4k	Catalog and abstracts of CPMUG volume 17
S015.18	CATALOG.018	2k	Catalog and abstracts of CPMUG volume 18
S015.19	CATALOG.019	7k	Catalog and abstracts of CPMUG volume 19
S015.20	CATALOG.020	1k	Catalog and abstracts of CPMUG volume 20
S015.21	CATALOG.021	16k	Catalog and abstracts of CPMUG volume 21
S015.22	CATALOG.022	5k	Catalog and abstracts of CPMUG volume 22
S015.23	CATALOG.023	5k	Catalog and abstracts of CPMUG volume 23
S015.24	CATALOG.024	5k	Catalog and abstracts of CPMUG volume 24
S015.25	CATALOG.025	10k	Catalog and abstracts of CPMUG volume 25
S015.26	CATALOG.026	18k	Catalog and abstracts of CPMUG volume 26
S015.27	CATALOG.027	2k	Catalog and abstracts of CPMUG volume 27
S015.28	CATALOG.028	3k	Catalog and abstracts of CPMUG volume 28
S015.29	CATALOG.029	3k	Catalog and abstracts of CPMUG volume 29
S015.30	CATALOG.030	1k	Catalog and abstracts of CPMUG volume 30
S015.31	CATALOG.031	2k	Catalog and abstracts of CPMUG volume 31
S015.32	CATALOG.032	1k	Catalog and abstracts of CPMUG volume 32
S015.33	CATALOG.033	2k	Catalog and abstracts of CPMUG volume 33
S015.34	CATALOG.034	4k	Catalog and abstracts of CPMUG volume 34
S015.35	CATALOG.035	5k	Catalog and abstracts of CPMUG volume 35
S015.36	CATALOG.036	8k	Catalog and abstracts of CPMUG volume 36
S015.37	CATALOG.037	6k	Catalog and abstracts of CPMUG volume 37
S015.38	CATALOG.038	7k	Catalog and abstracts of CPMUG volume 38
S015.39	CATALOG.039	6k	Catalog and abstracts of CPMUG volume 39
S015.40	CATALOG.040	11k	Catalog and abstracts of CPMUG volume 40
S015.41	CATALOG.041	9k	Catalog and abstracts of CPMUG volume 41
S015.42	CATALOG.042	8k	Catalog and abstracts of CPMUG volume 42
S015.43	SIGMLOG.001	2k	Catalog and abstracts on Sig/M volume 1
S015.44	SIGMLOG.002	4k	Catalog and abstracts on Sig/M volume 2
S015.45	SIGMLOG.003	1k	Catalog and abstracts on Sig/M volume 3

S016	-CATALOG.016	2k	Contents of Sig/M Users Group volume 16
S016.01	BYE67.ASM	39k	Remote console program for PMMI - modem
S016.02	BYE67.DOC	12k	Remote console program for PMMI - modem
S016.03	MLIST42.ASM	12k	Multiple file LIST utility
S016.04	DU-V75.OBJ	6k	Disk Utility system object file
S016.05	DU-V75.DOC	5k	Documentation for Disk Utility system
S016.06	DU-V75.ASM	40k	Disk Utility system source file
S016.07	FINDBD42.ASM	33k	Creates file of BADspots on diskette
S016.08	APLMODEM.ASM	36k	Apple][CP/M file xfer w/ Micromodem 2
S016.09	COMAND.LIB	7k	Console string processor
S016.10	COMBINE.ASM	7k	Merges multiple files
S016.11	FILE-XT2.ASM	8k	System disk utility display
S016.12	MNEMON21.ASM	28k	Multi-pass CP/M memory tester

S017	-CATALOG.017	2k	Contents of Sig/M Users Group volume 17
S017	-CATALOG.ACK	1k	Acknowledgement file
S017.01	SCRAMBLE.DOC	2k	Encode/decode a CP/M file
S017.02	SCRAMBLE.ASM	6k	Encode/decode a CP/M file
S017.03	SORTV.DOC	2k	Variable length records SORT program
S017.04	SORTV-12.ASM	13k	Variable length records SORT program
S017.05	TAG2.ASM	6k	Set/reset display the "no copy" flag
S017.06	MNEXEC.COM	3k	MicroNet EXECutive
S017.07	MNOVRLAY.ASM	4k	Overlay for MicroNet executive
S017.08	WHICH/1.ASM	4k	Returns size and version of CP/M

S017.09	STATUS.ASM	8k	Present systems information under 2.2
S017.10	NEWQCAT.ASM	5k	Quick CAtalog routine
S017.11	WORM8/8.ASM	7k	Memory test diagnostic
S017.12	TFX12/18.ASM	21k	CP/M to CP/M file transfer utility
S017.13	XMODEM41.ASM	29k	Remote CP/M to CP/M file transfer
S017.14	MOVPATCH.ASM	3k	Modifies MOVCPM for remote access
S017.15	21BIOS.ASM	48k	Tarbell BIOS for CP/M 2.0
S017.16	21BIOS.DOC	3k	Documentation for Tarbell BIOS
S017.17	21BOOT.ASM	4k	Tarbell BOOT for CP/M 2.0
S017.18	MACRO.LIB	18k	MACRO library for Tarbell BIOS
S017.19	NPGEN.ASM	9k	Tarbell BIOS SYSGEN program
S017.20	SPCLMAC.LIB	4k	BIOS disk redefinition MACRO library
S017.21	XDIR.ASM	13k	Updated CP/M DIRectory display
S017.22	XDIR.COM	2k	Updated CP/M DIRectory display

S018	-CATALOG.018	2k	Contents of Sig/M Users Group volume 18
S018	-CATALOG.ACK	1k	Volume 70 Acknowledgement file
S018.01	2411DUMP.ASM	18k	ICOM microfloppy memory DUMP utility
S018.02	2411DUMP.COM	3k	ICOM microfloppy memory DUMP utility
S018.03	MFMACRO.LIB	17k	ICOM 2411 MACRO library
S018.04	3812DUMP.ASM	21k	ICOM floppy memory DUMP utility
S018.05	3812DUMP.COM	4k	ICOM floppy memory DUMP utility
S018.06	DDMACRO.LIB	18k	ICOM 3812 MACRO library
S018.07	AREACODE.ASM	14k	Region and state AREA CODE search
S018.08	AREACODE.COM	7k	Region and state AREA CODE search
S018.09	BANZAI.ASM	9k	Copyright notice protect
S018.10	CAT2.ASM	6k	Master CAtalog system for CP/M 2.X
S018.11	FMAP3.ASM	7k	Sorted directory MAPping program
S018.12	UCAT2.ASM	8k	Master CAtalog update program
S018.13	CHAT15.ASM	6k	CHAT with local remote CP/M operator
S018.14	CHAT15.COM	1k	CHAT with local remote CP/M operator
S018.15	DISPLAYP.ASM	3k	DISPLAY ASCII file using ED.COM commands
S018.16	DISPLAY.COM	2k	DISPLAY ASCII file using ED.COM commands
S018.17	DISPLAY.DOC	3k	DISPLAY ASCII file using ED.COM commands
S018.18	FILE-EXT.ASM	7k	Display diskette directory with hex data
S018.19	FILE-EXT.COM	1k	Display diskette directory with hex data
S018.20	FILE-XT2.ASM	8k	FILE-EXT.ASM w/ CP/M 2.X compatibility
S018.21	FILE-XT2.COM	1k	FILE-EXT.ASM w/ CP/M 2.X compatibility
S018.22	LOOK.ASM	7k	Search for 1-9 byte sequence in memory
S018.23	LOOK.COM	1k	Search for 1-9 byte sequence in memory
S018.24	MACTIME.ASM	7k	Patch for real TIME clock in MAC.COM
S018.25	ASMTIME.ASM	7k	Patch for real TIME clock in ASM.COM
S018.26	STATTIME.ASM	6k	Patch for real TIME clock in STAT.COM
S018.27	SAP.ASM	6k	Updated directory SORT & PACK for CP/M 2.X
S018.28	SAP.COM	1k	Updated directory SORT & PACK for CP/M 2.X
S018.29	XLOOK.ASM	13k	Disk examine/modify utility

S019 <see Z01>

S020 <see Z02>

S021 <see Z03>

S022 <see Z04>

S023 <see Z05>

S024 <see Z06>

S025 <see Z07>

S026	-CATALOG.026	3k	Contents of Sig/M volume 026
S026	-CATA026.ACK	1k	Acknowledgement file
S026	CRCKLIST.026	2k	Checksum file
S026.01	CHEAT.ADV	3k	Unofficial ADVENTURE cheat sheet
S026.02	CHEAT.DOC	1K	Doc on ADVENTURE cheat sheet

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S026.03	VEGAS.ASM	26K	Super slot machine
S026.04	EL-E.BAS	18K	Electrical engineering/design system
S026.05	EL-E.INT	16K	Electrical engineering/design system
S026.06	EL-E.DOC	2K	Doc on EE design system
S026.07	QSO.BAS	1K	Ham notebook - CBASIC
S026.08	QSOEDIT.BAS	4K	EDIT for ham notebook
S026.09	QSOMERGE.BAS	2K	MERGE for ham notebook
S026.10	QSOFIND.BAS	1K	FIND for ham notebook
S026.11	QSOSCAN.BAS	4K	SCAN for ham notebook
S026.12	QSOLIST.BAS	1K	LIST for ham notebook
S026.13	QSO.DOC	2K	DOC for ham notebook
S026.14	SYSMON.ASM	36K	Front panel emulator source file
S026.15	SYSMON.COM	5K	Front panel emulator object file
S026.16	SYSMON.DOC	6K	Front panel emulator documentation
S026.17	SVC.LIB	1K	Front panel emulator MACRO library
S026.18	MYDDBIOS.Z80	13K	VersaFloppy II double density BIOS
S026.19	MYDDBIOS.DOC	4K	VersaFloppy II DD BIOS documentation
S026.20	DDSKBIOS.ASM	2K	VersaFloppy II double density BIOS
S026.21	MYBOOT.Z80	2K	BOOT for VersaFloppy II DD BIOS
S026.22	FORMAT.Z80	10K	FORMAT for VersaFloppy II DD BIOS
S026.23	SYSGEN.Z80	4K	SYSGEN for VersaFloppy II DD BIOS
S026.24	XEDIT.BAS	3K	Simple MAIL label system - data entry EDITor
S026.25	XEDIT.INT	2K	Simple MAIL label system
S026.26	XMERGE.BAS	2K	File MERGE - MAIL label system
S026.27	XMERGE.INT	1K	File MERGE - MAIL label system
S026.28	XSCAN.BAS	2K	Delete items from master MAIL list
S026.29	XSCAN.INT	1K	Delete items from master MAIL list
S026.30	XEXTRACT.BAS	2K	EXTRACT items from master MAIL list
S026.31	XEXTRACT.INT	1K	EXTRACT items from master MAIL list
S026.32	XLIST.BAS	1K	LIST items from master MAIL list
S026.33	XLIST.INT	1K	LIST items from master MAIL list
S026.34	XLABELS.BAS	2K	MAIL LABEL print
S026.35	XLABELS.INT	1K	MAIL LABEL print
S026.36	XFIND.BAS	1K	Query of master MAIL list
S026.37	XFIND.INT	1K	Query of master MAIL list
S026.38	XTEL.BAS	1K	Query by TELEphone number
S026.39	XTEL.INT	1K	Query by TELEphone number
S026.40	XMAIL.DOC	3K	Simple MAIL label system - documentation

S027 <see Z08>

S028 <see Z09>

S029	-CATALOG.029	1k	Contents of Sig/M volume 29
S029	CRCKLIST.029	1k	CRC of each file in volume 29
S029.01	CATALOG.043	2k	Catalog and abstracts of CPMUG volume 43
S029.02	CATALOG.044	9k	Catalog and abstracts of CPMUG volume 44
S029.03	CATALOG.045	4k	Catalog and abstracts of CPMUG volume 45
S029.04	CATALOG.046	23k	Catalog and abstracts of CPMUG volume 46
S029.05	CATALOG.047	25k	Catalog and abstracts of CPMUG volume 47
S029.06	CATALOG.048	10k	Catalog and abstracts of CPMUG volume 48
S029.07	CATALOG.049	27k	Catalog and abstracts of CPMUG volume 49
S029.08	CATALOG.050	32k	Catalog and abstracts of CPMUG volume 50
S029.09	CATALOG.051	14k	Catalog and abstracts of CPMUG volume 51
S029.10	SIGMLOG.004	10k	Catalog and abstracts of Sig/M volume 4
S029.11	SIGMLOG.005	18k	Catalog and abstracts of Sig/M volume 5
S029.12	SIGMLOG.006	28k	Catalog and abstracts of Sig/M volume 6
S029.13	SIGMLOG.007	5k	Catalog and abstracts of Sig/M volume 7
S029.14	SIGMLOG.008	12k	Catalog and abstracts of Sig/M volume 8
S029.15	SIGMLOG.009	8k	Catalog and abstracts of Sig/M volume 9
S029.16	SIGMLOG.010	9k	Catalog and abstracts of Sig/M volume 10
S029.17	SIGMLOG.011	1k	Catalog and abstracts of Sig/M volume 11

S030	-CATALOG.030	1k	Contents of Sig/M volume 30
S030	CRCKLIST.030	1k	CRC of each file in volume 30
S030.01	SIGMLOG.012	1k	Catalog and abstracts of Sig/M volume 12

S030.02	SIGMLOG.013	15k	Catalog and abstracts of Sig/M volume 13
S030.03	SIGMLOG.014	1k	Catalog and abstracts of Sig/M volume 14
S030.04	SIGMLOG.016	17k	Catalog and abstracts of Sig/M volume 16
S030.05	SIGMLOG.017	8k	Catalog and abstracts of Sig/M volume 17
S030.06	SIGMLOG.018	5k	Catalog and abstracts of Sig/M volume 18
S030.07	SIGMLOG.019	29k	Catalog and abstracts of Sig/M volume 19
S030.08	SIGMLOG.020	3k	Catalog and abstracts of Sig/M volume 20
S030.09	SIGMLOG.021	15k	Catalog and abstracts of Sig/M volume 21
S030.10	SIGMLOG.022	9k	Catalog and abstracts of Sig/M volume 22
S030.11	SIGMLOG.023	38k	Catalog and abstracts of Sig/M volume 23
S030.12	SIGMLOG.024	7k	Catalog and abstracts of Sig/M volume 24
S030.13	SIGMLOG.025	41k	Catalog and abstracts of Sig/M volume 25
S030.14	SIGMLOG.026	20k	Catalog and abstracts of Sig/M volume 26
S030.15	SIGMLOG.027	3k	Catalog and abstracts of Sig/M volume 27
S030.16	SIGMLOG.028	24k	Catalog and abstracts of Sig/M volume 28
S031	-CATALOG.031		Contents of Sig/M volume 031
S031	CRCKLIST.031		CRC of each file on volume 031
S031.01	STAR.DOC	19k	Documentation for Yale catalog of bright STARS
S031.02	STAR.BAS	5k	Reads and prints data from STAR catalog
S031.03	STARVAL.BAS	4k	STAR database validation routine
S031.04	STAR1.DAT	177k	Yale catalog of bright STARS Vol 1 of 8
S031.05	STAR1.BAD	10k	Sample test errors for STARVAL
S031.06	IKB-1.ROM	8k	IMSAI keyboard 2716 EPROM code
S031.07	IKB-2.ROM	4k	IMSAI keyboard 2708 EPROM code
S031.08	IKB-1&2.DOC	1k	IMSAI keyboard EPROM documentation
S032	-CATALOG.032		Contents of Sig/M volume 032
S032	CRCKLIST.032	1k	Checksum file
S032.01	STAR2.DAT	235K	Yale catalog of bright STARS Vol 2 of 8
S033	-CATALOG.033		Contents of Sig/M volume 033
S033	CRCKLIST.033	1k	Checksum file
S033.01	STAR3.DAT	235K	Yale catalog of bright STARS Vol 3 of 8
S034	-CATALOG.034		Contents of Sig/M volume 034
S034	CRCKLIST.034	1k	Checksum file
S034.01	STAR4.DAT	235K	Yale catalog of bright STARS Vol 4 of 8
S035	-CATALOG.035		Contents of Sig/M volume 035
S035	CRCKLIST.035		Checksum file
S035.1	STAR5.DAT	235k	Yale catalog of bright STARS Vol 5 of 8
S036	-CATALOG.036		Contents of Sig/M volume 036
S036	CRCKLIST.036		Checksum file
S036.1	STAR6.DAT	235k	Yale catalog of bright STARS Vol 6 of 8
S037	-CATALOG.037		Contents of Sig/M volume 037
S037	CRCKLIST.037		Checksum file
S037.1	STAR7.DAT	235k	Yale catalog of bright STARS Vol 7 of 8
S038	-CATALOG.038		Contents of Sig/M volume 038
S038	CRCKLIST.038		Checksum file
S038.1	STAR8.DAT	235k	Yale catalog of bright STARS Vol 8 of 8
S039	-CATALOG.039	1k	Contents of Sig/M volume 039
S039	ACKLIST.039	1k	acknowledgement file
S039	CRCKLIST.039	2k	Checksum file of Sig/M volume 39
S039.01	3740UTIL.SUB	1K	3740 disk UTILITY subroutine
S039.02	3740UTIL.DOC	8K	Updated 3740 disk UTILITY documentation
S039.03	3740UTIL.ASM	67K	Updated 3740 disk UTILITY source file
S039.04	3740UTIL.COM	13K	Updated 3740 disk UTILITY object file
S039.05	MACS3740.LIB	17K	3740 disk utility MACRO LIBRARY
S039.06	EGRAMMAR.GMR	1K	Extended GRAMMAR for Language Analyzer
S039.07	EXAMPLE.GMR	1K	Grammar EXAMPLE for Language Analyzer
S039.08	EXAMPLE2	1K	Grammar EXAMPLE for Language Analyzer
S039.09	GRAMMA	1K	GRAMMAR for Language Analyzer
S039.10	LL1ANL.DOC	6K	Documentation for Language Analyzer

S039.11	LL1ANL.PLI	3K	Language Analyzer - main procedure
S039.12	LL1ANL.SUB	1K	Language Analyzer - compile and link procedure
S039.13	LL1LNK.SUB	1K	Language Analyzer - link P00 thru P80 procedure
S039.14	LL1P00.PLI	3K	Language Analyzer - procedure
S039.15	LL1P10.PLI	18K	Language Analyzer - procedure
S039.16	LL1P10.PLI	19K	Language Analyzer - procedure
S039.17	LL1P20.PLI	7K	Language Analyzer - procedure
S039.18	LL1P30.PLI	10K	Language Analyzer - procedure
S039.19	LL1P40.PLI	6K	Language Analyzer - procedure
S039.20	LL1P50.PLI	5K	Language Analyzer - procedure
S039.21	LL1P60.PLI	4K	Language Analyzer - procedure
S039.22	LL1P70.PLI	4K	Language Analyzer - procedure
S039.23	LL1P80.PLI	6K	Language Analyzer - procedure
S039.24	LL1PRC.PLI	13K	Language Analyzer - common procedure

S040	-CATALOG.040		Contents of Sig/M volume 40
S040	ACKLIST .040		Acknowledgement file
S040	CRCKLIST.040		Checksum file
S040.01	ISIS/CPM.ASM	25K	Prom resident ISIS system emulator
S040.02	ISIS/CPM.DOC	6K	Prom resident ISIS system emulator
S040.03	VMAP .BAS	6K	MBASIC variable MAPper
S040.04	VMAP .DOC	2K	Documentation for MBASIC variable MAPper
S040.05	VMAP-SUB.DOC	2K	MBASIC variable MAPper subroutine
S040.06	QUMEDRV .ASM	4K	Prom resident QUME DRiver
S040.07	QUMEINST.ASM	4K	Prom resident QUME driver INSTallation procedure
S040.08	CHARFREQ.BAS	2K	CHARacter FREQUENCY analysis
S040.09	XFERTIME.BAS	2K	File transfer TIME program for RCPM
S040.10	PAUSWAIT.ASM	8K	PAUSE option for SUBMIT
S040.11	COMP2 .ASM	8K	Text COMPression routine
S040.12	COMP2 .COM	1K	Text COMPression routine
S040.13	EXP2 .ASM	10K	Text EXPansion of COMP2
S040.14	EXP2 .COM	1K	Text EXPansion of COMP2
S040.15	MENU-V2 .ASM	18K	MENU driver
S040.16	MENU-V2 .COM	1K	MENU driver
S040.17	RUN80-V2.ASM	40K	Text formatter
S040.18	RUN80-V2.COM	4K	Text formatter
S040.19	RUN80 .MEM	10K	Text formatter
S040.20	RUN80 .RND	9K	Text formatter
S040.21	HOST .Z80	10K	File load between CP/M and Z8000
S040.22	HOST .DOC	2K	File load between CP/M and Z8000
S040.23	HOST .COM	1K	File load between CP/M and Z8000
S040.24	MDS .Z80	14K	MDS FDC emulator
S040.25	MDS .PRN	16K	MDS FDC emulator

S041	-CATALOG.041		Contents of Sig/M volume 41
S041	ABSTRACT.041		Random notes on Sig/M volume 41
S041	ACKLIST .041		Acknowledgement file
S041	CRCKLIST.041		Checksum file
S041.01	CDOSCOPY.Z80	12K	CDOS diskette COPY program
S041.02	CDOSCOPY.COM	2K	CDOS diskette COPY program
S041.03	CDOSCOPY.PRN	26K	CDOS diskette COPY program
S041.04	CDOSFMAP.ASM	9K	Modified diskette cataloging system
S041.05	CDOSFMAP.HEX	3K	Modified diskette cataloging system for CDOS
S041.06	CDOSFMAP.PRN	17K	Modified diskette cataloging system for CDOS
S041.07	CDOSFMAP.COM	1K	Modified diskette cataloging system for CDOS
S041.08	UCAT .ASM	9K	Modified catalog update program for CDOS
S041.09	UCAT .HEX	5K	Modified catalog update program for CDOS
S041.10	UCAT .PRN	28K	Modified catalog update program for CDOS
S041.11	CDOSSAP .Z80	9K	CDOS directory Sort and Pack
S041.12	CDOSSAP .PRN	19K	CDOS directory Sort and Pack
S041.13	CDOSSAP .COM	1K	CDOS directory Sort and Pack
S041.14	FDCBIOS .DOC	6K	Updated BIOS for 16FDC and 4FDC
S041.15	FDCBIOS .HEX	2K	Updated BIOS for 16FDC and 4FDC
S041.16	FDCBIOS .Z80	15K	Updated BIOS for 16FDC and 4FDC
S041.17	FDCBIOS .PRN	36K	Updated BIOS for 16FDC and 4FDC
S041.18	FDCBOOT .HEX	1K	Updated ROOT for 16FDC and 4FDC

S041.19	FDCBOOT .Z80	2K	Updated BOOT for 16FDC and 4FDC
S041.20	FDCBOOT .PRN	5K	Updated BOOT for 16FDC and 4FDC
S041.21	XEROX .Z80	13K	FAST copy ss/sd = 40 seconds
S041.22	XEROX .COM	2K	FAST copy ss/dd = 70 seconds
S042	-CATALOG.042	1k	Contents of Sig/M volume 42
S042	ACKLIST .042	1k	Acknowledgement file
S042	CRCKLIST.042	1k	Checksum file
S042	ABSTRACT.042	3k	Random notes on Sig/M volume 42
S042.01	HD-BIOS .Z80	30K	BIOS for VersaFloppy 2/XComp/Seagate
S042.02	HD-BIOS .HEX	5K	BIOS for VersaFloppy 2/Xcomp/Seagate
S042.03	FDOS .ASM	29K	File access - Pertec FDOS and CP/M
S042.04	FDOS .COM	3K	File access - Pertec FDOS and CP/M
S042.05	MTX .ASM	36K	File access - Pertec MTX BASIC and CP/M
S042.06	MTX .COM	5K	File access - Pertec MTX BASIC and CP/M
S042.07	MTX2000 .ASM	36K	File access - double density MTX BASIC & CP/M
S042.08	MTX2000 .COM	5K	File access - double density MTX BASIC & CP/M
S042.09	PCC2000B.ASM	8K	Expanded access for PCC 2000
S042.10	PCC2000B.COM	1K	Expanded access for PCC 2000
S042.11	WMNOTES	2K	WordMaster customization notes
S042.12	WM .CTL	1K	WordMaster control codes
S042.13	WM .DOC	8K	Documentation for WordMaster customization notes
S042.14	WM .SYM	11K	WordMaster symbol table
S042.15	BYE .Z80	37K	Remote control program for CDOS
S043	-CATALOG.043	2k	Contents of Sig/M volume 43
S043	ABSTRACT.043	7k	Abstract of Sig/M volume 43
S043	ACKLIST .043	1k	ACKnowledgement file
S043	CRCK .COM	2k	CRC generation and test program
S043	CRCKLIST.043	2k	CRC LIST of Sig/M volume 43
S043.01	DESCRIP .DOC	16K	Details of TINCMP and PIDGIN
S043.02	IOCMPLX .ASM	19K	I/O subroutines for PIDGIN programming system
S043.03	IOCMPLX .REL	2K	Relocatable I/O subroutines for PIDGIN
S043.04	MACROS .PGN	8K	MACROS to translate PIDGIN to 8080 assembly code
S043.05	PIDGIN .S2M	10K	MACROS used when bootstrapping from STAGE2
S043.06	PIDGINLB.REL	1K	Relocatable library of WRNXT, SYSTEM & PIDMATH
S043.07	PIDMATH .ASM	5K	16 bit integer arithmetic routines source file
S043.08	PIDMATH .REL	1K	16 bit integer arithmetic routines
S043.09	STAGE2 .COM	12K	STAGE2 MACRO processor written in FLUB - see C51
S043.10	SYSTEM .ASM	1K	CP/M definitions for PIDGIN
S043.11	SYSTEM .REL	1K	CP/M definitions for PIDGIN
S043.12	TINCMPI .COM	17K	TINCMPI compiler
S043.13	TINCMPI .MAC	20K	Output of TINCMPI written in PIDGIN using TINCMPI
S043.14	TINCMPI .PGN	12K	TINCMPI compiler source in PIDGIN
S043.15	TINCMPI .REL	5K	TINCMPI compiler relocatable file
S043.16	TINTEST1.PGN	3K	TEST routine for TINCMPI - used to design MACROS
S043.17	TINTEST2.PGN	3K	TEST routine for TINCMPI - used to design MACROS
S043.18	TINTEST3.PGN	1K	TEST routine for TINCMPI - used to design MACROS
S043.19	TINTEST4.PGN	3K	TEST routine for TINCMPI - used to design MACROS
S043.20	TINTEST5.PGN	2K	TEST routine for TINCMPI - used to design MACROS
S043.21	TINTEST6.PGN	2K	TEST routine for TINCMPI - used to design MACROS
S043.22	WC .PGN	2K	TINCMPI Word Counter test program
S043.23	WRNXT .ASM	1K	Console read/write routines for PIDGIN w/CP/M
S043.24	WRNXT .REL	1K	Console read/write routines for PIDGIN w/CP/M
S043.25	CBIOS .A86	17K	CP/M-86 BIOS for CompuPro 8085/8088
S043.26	GOCPM86 .ASM	1K	Transfer control to CP/M-86
S043.27	ERQ .A86	3K	CP/M-86 ERase selective files
S043.28	SD .A86	15K	CP/M-86 Super Directory
S044	-CATALOG.044		Contents of Sig/M volume 44
S044	ACKLIST .044		ACKnowledgement file
S044	CRCKLIST.044		CRC LIST of Sig/M volume 44
S044.01	CHAT16 .ASM	8K	Interactive remote/local communications
S044.02	CPM2HELI.DOC	4K	Documentation on CP/M to HELIOS
S044.03	CPM2HELI.OBJ	1K	Convert CP/M text files to HELIOS II edit files
S044.04	CPM2HELI.S	5K	Convert CP/M text files to HELIOS II edit files

S044.05	DU-V77	.ASM	42K	Disk Utility version 7.7
S044.06	DU-V77	.DOC	6K	Disk Utility version 7.7
S044.07	DU-V77	.OBJ	6K	Disk Utility version 7.7
S044.08	FLAGS	.DOC	2K	Edit file attributes
S044.09	FLAGS12	.ASM	12K	Flags editor - file attributes - uses MAC
S044.10	FMAP4	.ASM	11K	FMAP version 4.0 for cataloging system
S044.11	FMAP4	.OBJ	2K	FMAP version 4.0 for cataloging system
S044.12	HELI2CPM	.OBJ	1K	HELIOS II to CP/M text file
S044.13	HELI2CPM	.S	5K	HELIOS II to CP/M text file
S044.14	PIPPATCH	.ASM	5K	Patch for PIP
S044.15	SD-41	.ASM	46K	Super Directory version 4.1
S044.16	SD-41	.DOC	12K	SD version 4.1 documentation notes
S044.17	UNERA	.HLP	3K	unERASE erased programs
S044.18	UNERA11	.ASM	6K	unERASE erased programs
S044.19	WASH-10	.DOC	16K	Documentation on operation of WASH.COM
S044.20	WASH-16	.ASM	34K	Disk directory maintenance utility - version 1.6

S045	-CATALOG.045			Contents of Sig/M volume 45 - November 25, 1981
S045	CRCKLIST.045			Checksum of Sig/M volume 45
S045.01	ACTORS	.FTN	16K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.02	CLOCKR	.FTN	17K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.03	DEMONS	.FTN	19K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.04	DGAME	.FTN	10K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.05	DINIT	.FTN	12K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.06	DMAIN	.FTN	13K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.07	DSUB	.FTN	18K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.08	DUNGE0	.DOC	22K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.09	DVERB1	.FTN	13K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.10	DVERB2	.FTN	18K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.11	GDT	.FTN	15K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.12	OBJECTS	.FTN	21K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.13	RRND	.MAC	2K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.14	RSXTIM	.MAC	1K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.15	SVERBS	.FTN	18K	Original PDP-11 code for Dungeon - vol 1 of 3
S045.16	VERBS	.FTN	21K	Original PDP-11 code for Dungeon - vol 1 of 3

S046	-CATALOG.046			Contents of Sig/M volume 46 - November 25, 1981
S046	CRCKLIST.046			Checksum of Sig/M volume 46
S046.01	D	.ODL	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.02	DTEXT	.DAT	221K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.03	LIGHTP	.FOR	6K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.04	RSTSCB	.CTL	2K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.05	RSXBLD	.CMD	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.06	RSXCMP	.CMD	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.07	RTBLD	.COM	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.08	RTCMP	.COM	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.09	VMSBLD	.COM	1K	Original PDP-11 code for Dungeon - vol 2 of 3
S046.10	VMSCMP	.COM	2K	Original PDP-11 code for Dungeon - vol 2 of 3

S047	-CATALOG.047			Contents of Sig/M volume 47 - November 25, 1981
S047	CRCKLIST.047			Checksum of Sig/M volume 47
S047.01	BALLOP	.FOR	7K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.02	DINDX	.DAT	49K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.03	DS01	.FOR	6K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.04	DS02	.FOR	8K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.05	DS03	.FOR	4K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.06	DS04	.FOR	7K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.07	DS05	.FOR	5K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.08	DS06	.FOR	6K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.09	DS07	.FOR	7K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.10	NOBJS	.FOR	20K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.11	NP	.FOR	5K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.12	NP1	.FOR	25K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.13	NP2	.FOR	6K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.14	NP3	.FOR	10K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.15	NRROOMS	.FOR	15K	Original PDP-11 code for Dungeon - vol 3 of 3

S047.16	ROOMS	.FOR	18K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.17	RTTIM	.FOR	1K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.18	SOBJS	.FOR	18K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.19	VILLNS	.FOR	19K	Original PDP-11 code for Dungeon - vol 3 of 3
S047.20	VMSTIM	.FOR	1K	Original PDP-11 code for Dungeon - vol 3 of 3

S048	-CATALOG.048			Contents of Sig/M volume 48
S048	ACKLIST .048			ACKnowledgement file
S048	CRCKLIST.048			CRC LIST of Sig/M volume 48
S048.01	CARRY12 .ASM	6K		Change disks before load & execute .COM files
S048.02	MODEM7 .DOC	16K		MODEM7 documentation
S048.03	MODEM7 .LIB	14K		MODEM7 MACRO library
S048.04	MODEM7 .SET	3K		MODEM7 setup program
S048.05	MODEM73 .ASM	63K		MODEM version 7.3 source file
S048.06	MODEM73 .OBJ	10K		MODEM version 7.3 object file
S048.07	SENDOUT3.ASM	5K		SENDout utility for PMMI modem
S048.08	UNSPPOOL .ASM	13K		DESPPOOL look-alike - uses MAC
S048.09	UNSPPOOL .DOC	8K		Documentation on UNSPOOL
S048.10	USRDFLT2.CCP	15K		Pseudo CCP USER
S048.11	USRPW34 .ASM	17K		PassWord for USER access control in RCPM system
S048.12	XMODEM46.ASM	39K		Remote CP/M file transfer program
S048.13	SQ .COM	14K		Pack ASCII file
S048.14	USQ .COM	10K		Unpack ASCII file

S049	-CATALOG.049			Contents of Sig/M volume 49
S049	ABSTRACT.049			Comments on programs
S049.01	ADDADR .ASM	1K		Add Address w/displacement using 16 bits
S049.02	ARCOMMON.DCL	1K		Accounts Receivable Common areas
S049.03	ARCUSTM .DCL	2K		AR CUSTOMer Master record
S049.04	ARLINK .SUB	1K		AR LINK utility
S049.05	ARM000 .ASM	2K		AR driver menu
S049.06	ARM010 .ASM	2K		AR driver menu
S049.07	ARM011 .ASM	3K		AR record update background menu
S049.08	ARM020 .ASM	2K		AR label menu
S049.09	ARM030 .ASM	2K		AR label menu
S049.10	ARM040 .ASM	2K		AR menu
S049.11	ARM050 .ASM	2K		AR file off-load menu
S049.12	ARM060 .ASM	2K		AR file load menu
S049.13	ARM070 .ASM	2K		AR menu
S049.14	ARP000 .PLI	3K		HWCS Accounts Receivable/Payable main menu
S049.15	ARP000 .SUB	1K		ARP main menu
S049.16	ARP010 .PLI	12K		ARP Customer master file maintenance
S049.17	ARP010 .SUB	1K		ARP Customer master file maintenance
S049.18	ARP020 .PLI	6K		ARP Technical label report
S049.19	ARP020 .SUB	1K		ARP Technical label report
S049.20	ARP030 .PLI	6K		ARP Billing label report
S049.21	ARP030 .SUB	1K		ARP Billing label report
S049.22	ARP040 .PLI	8K		ARP Customer list report
S049.23	ARP040 .SUB	1K		ARP Customer list report
S049.24	ARP050 .PLI	5K		ARP Customer file off-load
S049.25	ARP050 .SUB	1K		ARP Customer file off-load
S049.26	ARP060 .PLI	5K		ARP Customer file load
S049.27	ARP060 .SUB	1K		ARP Customer file load
S049.28	ARP070 .PLI	6K		ARP Telephone call report
S049.29	ARP070 .SUB	1K		ARP Telephone call report
S049.30	CHAIN .ASM	6K		PL/1 CHAIN routine
S049.31	GETD92 .PLI	2K		MasterDBS - Get a decimal number from terminal
S049.32	MDBSAMS .PLI	1K		MasterDBS - Add a member to a set
S049.33	MDBSCALL.SUB	1K		MasterDBS - Call interface batch processor
S049.34	MDBSCL .ASM	4K		MasterDBS - Call interface program
S049.35	MDBSCL01.ASM	3K		MasterDBS - Call interface type 1
S049.36	MDBSCL02.ASM	4K		MasterDBS - Call interface type 2
S049.37	MDBSCL03.ASM	3K		MasterDBS - Call interface type 3
S049.38	MDBSCRS .PLI	1K		MasterDBS - Create record and store data
S049.39	MDBSDRM .PLI	1K		MasterDBS - Delete a member from a set
S049.40	MDBSER .ASM	6K		MasterDBS - Error message program

S049.41	MDBSER .PLI	5K	MasterDBS - Error message program in PL/1
S049.42	MDBSFFM .PLI	1K	MasterDBS - Find first member of a set
S049.43	MDBSFMSK .PLI	1K	MasterDBS - Find member of set based on sort key
S049.44	MDBSFNM .PLI	1K	MasterDBS - Find next member of a set
S049.45	MDBSGETM .PLI	1K	MasterDBS - Get a member of a set
S049.46	MDBSPLII .ASM	5K	MasterDBS - Initialization & chain program
S049.47	MDBSPLII .SUB	1K	MasterDBS - Init & chain batch processor
S049.48	MDBSPUTM .PLI	16	MasterDBS - Put a member of a set
S049.49	MDBSRMS .PLI	1K	MasterDBS - Remove current member from a set
S049.50	MDBSSOM .PLI	1K	MasterDBS - Set current owner w/current member
S049.51	MODEM .ASM	12K	DC Hayes MODEM subroutines
S049.52	OUTTEL .PLI	1K	OUTput a TELEphone number
S049.53	OUTZIP .PLI	1K	OUTput a ZIP code
S049.54	PLIAUX .SUB	1K	Generate PL/1 AUXillary file on A:
S049.55	PUTERR .PLI	1K	PUT ERRor message to console
S049.56	SCRNMAC .LIB	3K	MACro to clear SCReeN on SOROC 120
S049.57	SCRRTN .ASM	29K	SCReen handling subroutine
S049.58	SUBS1 .SUB	1K	Compile PL/1 SUBroutines - batch processor

S050	-CATALOG.050		Contents of Sig/M volume 50
S050.01	BIOS1 .	6K	DTC hard/floppy disk BIOS version 2.2B
S050.02	BIOS2 .	16K	DTC hard/floppy disk BIOS
S050.03	BIOS3 .	12K	DTC hard/floppy disk BIOS
S050.04	BIOS4 .	2K	DTC hard/floppy disk BIOS
S050.05	BOOT .	5K	DTC hard disk BOOT
S050.06	CONFIG .	3K	DTC 510 controller config
S050.07	DTC .	6K	DTC 510 controller equates
S050.08	DTCLOAD .ASM	5K	DTC LOADer source file
S050.09	DTCLOAD .COM	1K	DTC LOADer command file
S050.10	DTCLOAD .HEX	2K	DTC LOADer HEX file
S050.11	DTCLOAD .PRN	10K	DTC LOADer assembled print file
S050.12	FORMAT .	16K	FORMAT for DTC hard disk BIOS
S050.13	GBC .	4K	CompuPro Interfacer board equates
S050.14	INSTALL .	4K	DTC hard disk BIOS INSTALL program
S050.15	MODEL .	1K	DTC hard disk BIOS support
S050.16	README .	6K	Instructions on installing the DTC system
S050.17	ROM .	4K	DTC hard disk ROM BOOT
S050.18	SBC .	4K	Intel SBC 80/30 single board computer I/O equates
S050.19	STSCMD .	4K	SYSCMD Version 2.1 - DTC hard disk BIOS support
S050.20	STSCMD .SUB	1K	DTC hard disk BIOS support
S050.21	STSCOPY .	19K	DTC hard disk BIOS support
S050.22	STSCOPY .SUB	1K	DTC hard disk BIOS support
S050.23	SYSCMD .	4K	DTC hard disk system
S050.24	SYSCMD .SUB	1K	DTC hard disk BIOS support
S050.25	SYSTEM .SUB	2K	DTC hard disk BIOS support
S050.26	U .ASM	4K	Select drive & User area w/1 command
S050.27	U .COM	1K	Select drive & User area w/1 command
S050.28	U .HEX	2K	Select drive and User area
S050.29	U .PRN	6K	Select drive and User area
S050.30	TALK@ .LIB	1K	Starting place for writing new voice programs
S050.31	VMAC .ASM	3K	MAC assembler overlay
S050.32	VMAC .HEX	1K	HEX file for VMAC
S050.33	VMAC .PRN	5K	Assembled print file for VMAC
S050.34	VOIC@ .DOC	3K	Documentation for speech synthesis system
S050.35	VOIC@ .LIB	18K	Driver for CP/M phoneme definitions & dictionary
S050.36	VOIC@EQU .LIB	6K	Driver for CP/M phoneme definitions
S050.37	VRMAC .ASM	3K	RMAC assembler overlay
S050.38	VRMAC .HEX	1K	HEX file for VRMAC
S050.39	VRMAC .PRN	5K	Assembled print file for VRMAC
S050.40	YESMASTR .VOC	1K	Speech synthesis - "yes master" test program

S051	-CATALOG.051		Contents of Sig/M volume 51 - January 2, 1982
S051.01	EXTRACT .CPM	5K	CPMUG volume titles
S051.02	EXTRACT .SIG	5K	Sig/M volume titles
S051.03	MEMO1981 .SIG	6K	Sig/M 1981 memo's
S051.04	NFWSO2R1 .SIG	2K	Sig/M Feb 1981 newsletter

S051.05	NEWS0481.SIG	8K	Sig/M April 1981 newsletter
S051.06	NEWS0581.SIG	8K	Sig/M May 1981 newsletter
S051.07	NEWS0681.SIG	8K	Sig/M June 1981 newsletter
S051.08	NEWS0781.SIG	8K	Sig/M July 1981 newsletter
S051.09	NEWS0881.SIG	8K	Sig/M August 1981 newsletter
S051.10	NEWS0981.SIG	4K	Sig/M September 1981 newsletter
S051.11	NEWS1081.SIG	8K	Sig/M October 1981 newsletter
S051.12	NEWS1181.SIG	3K	Sig/M November 1981 newsletter
S051.13	NEWS1281.SIG	7K	Sig/M December 1981 newsletter
S051.14	NEWS1980.SIG	13K	Sig/M 1980 newsletter
S051.15	SUMMARY .CPM	91K	Summary of CPMUG catalogs
S051.16	SUMMARY .SIG	48K	Summary of Sig/M catalogs
S052	-CATALOG.052	1k	Contents of Sig/M volume 52
S052	ABSTRACT.052	5k	Sig/M volume 52 documentation
S052.01	CAT .COM	1K	CATaloging program
S052.02	FMAP .COM	2K	Sorted directory MAPping program
S052.03	UCAT .COM	2K	CATalog Update program
S052.04	CATALIST.BAS	8K	LISTs contents of CPMUG and SIG/M volumes
S052.05	CATALIST.COM	22K	Object catalog LIST program
S052.06	SCATPAD .BAS	2K	PADs spaces for fixed length records
S052.07	SCATPAD .COM	15K	PADs spaces for fixed length records
S052.08	SCAT .	69K	Sig/M-CPMUG reference data
S052.09	MAST .CAT	72K	Sig/M-CPMUG reference data
S052.10	TestProt.BAS	1K	Sample 'P'rotected file
S052.11	UN .COM	5K	un'P'rotect MBASIC programs
S053	-CATALOG.053		Contents of Sig/M volume 53
S053	ABSTRACT.053		SAM76 documentation
S053.01	ASTRO .FNT	8K	ASTROlogical signs for graphics
S053.02	BONUS .DOC	1K	Documentation on COPY features of SAM76
S053.03	BOOK .DOC	1K	How to order SAM76 manual
S053.04	CPMSETL .COM	1K	Sets up SAM76 for CP/M monitor
S053.05	DEMO .SAM	3K	Some interesting DEMO programs
S053.06	DIRFIX .SAM	1K	Disk DIRectory FIX routine
S053.07	EXTF .ASM	19K	Various routines, including clock driver
S053.08	EXTF .DOC	1K	Documentation on EXTF
S053.09	FRIEND .DOC	1K	Version of SAM76 that runs at 8000H
S053.10	G .SAM	2K	Sets up SAM for load-and-Go
S053.11	HOOH .SAM	1K	Hex to octal to hex
S053.12	IDUMP .COM	1K	Interpreted HEX-ASCII file DUMP (**)
S053.13	ILRAW .COM	13K	Raw copy of SAM76 - see READ-ME.DOC & S.DOC
S053.14	INFO .SAM	10K	Creates following .DOC files
S053.15	INFO1 .DOC	1K	<<Empty>> ??
S053.16	INFO2 .DOC	1K	How to use SAM76
S053.17	INFO3 .DOC	2K	How to use SAM76 continued
S053.18	INFO4 .DOC	1K	<<Empty>> ??
S053.19	INFO5 .DOC	2K	New features of SAM76
S053.20	LABEL .SAM	3K	SAM demo program
S053.21	LOOP .SAM	1K	SAM demo program
S053.22	MOVE2 .SAM	1K	SAM demo program
S053.23	MULT .SAM	1K	MULTiplies long decimal #'s
S053.24	NEWS .SAM	5K	Random NEWS story generator
S053.25	P1UR .FNT	10K	Used with graphics
S053.26	PLOT .ASM	15K	SAM76 overlay permits plotting of vector graphics
S053.27	PLOT .DOC	1K	Documentation for PLOT
S053.28	PRINT .SAM	7K	PRINT SAM files
S053.29	READ-ME .DOC	3K	Initial setup
S053.30	S .DOC	2K	DOC on creating S.COM
S053.31	SIZE .SAM	1K	SAM Demo program
S053.32	SIZLST .SAM	1K	SAM Demo program
S053.33	SLED .SAM	4K	SAM Demo program
S053.34	THREED .SAM	4K	SAM Demo program
S053.35	UPD051 .TXT	7K	DOC of SAM (nonstandard text/file format)
S053.36	UPD052 .TXT	7K	DOC of SAM (nonstandard text/file format)
S053.37	VERIFY .SAM	1K	D.mo

S053.38	VOLSAM	.DOC	6K	Volume documentation ("extended abstract")
S053.39	X\$UTIL	.SAM	3K	Demo
S054	-CATALOG	.054		Contents of Sig/M volume 54
S054.01	BDOSLOC	.ASM	2K	BDOS and CCP locator
S054.02	DISK	.DIR	1K	ZCPR distribution disk DIRectory
S054.03	READ	.ME	6K	Explains ZCPR
S054.04	SIG/M	.SUB	4K	Contribution form
S054.05	ZCPR	.ASM	51K	Z80 replacement for the CP/M CCP - uses MAC
S054.06	ZCPR	.DOC	45K	Documentation on ZCPR
S054.07	ZCPR	.HLP	15K	Summary of the new features of ZCPR
S054.08	ZCPR	.WS	40K	Wordstar source to DOC file on ZCPR
S054.09	I/O-CAP	.ADD	1K	Capture CONIN and CONOUT on disk file
S054.10	I/O-CAP	.ASM	19K	Capture CONIN and CONOUT on disk file
S054.11	TTBOOT	.ASM	3K	2.2 BOOT for Thinker Toys disk jockey
S054.12	TTCBIOS	.ASM	7K	2.2 BIOS for Thinker Toys disk jockey
S054.13	TTSDDJ	.HLP	4K	How to bring up BIOS for Thinker Toys disk jockey
S055	-CATALOG	.055		Contents of Sig/M volume 55
S055.01	SIGMLOG	.031	20K	Sig/M volume 31 documentation
S055.02	SIGMLOG	.032	1K	Sig/M volume 32 documentation
S055.03	SIGMLOG	.033	1K	Sig/M volume 33 documentation
S055.04	SIGMLOG	.034	1K	Sig/M volume 34 documentation
S055.05	SIGMLOG	.035	1K	Sig/M volume 35 documentation
S055.06	SIGMLOG	.036	1K	Sig/M volume 36 documentation
S055.07	SIGMLOG	.037	1K	Sig/M volume 37 documentation
S055.08	SIGMLOG	.038	1K	Sig/M volume 38 documentation
S055.09	SIGMLOG	.039	15K	Sig/M volume 39 documentation
S055.10	SIGMLOG	.040	11K	Sig/M volume 40 documentation
S055.11	SIGMLOG	.041	9K	Sig/M volume 41 documentation
S055.12	SIGMLOG	.042	13K	Sig/M volume 42 documentation
S055.13	SIGMLOG	.043	24K	Sig/M volume 43 documentation
S055.14	SIGMLOG	.044	39K	Sig/M volume 44 documentation
S055.15	SIGMLOG	.045	23K	Sig/M volume 45 documentation
S055.16	SIGMLOG	.046	1K	Sig/M volume 46 documentation
S055.17	SIGMLOG	.047	1K	Sig/M volume 47 documentation
S055.18	SIGMLOG	.048	24K	Sig/M volume 48 documentation
S055.19	SIGMLOG	.049	4K	Sig/M volume 49 documentation
S055.20	SIGMLOG	.050	5K	Sig/M volume 50 documentation
S055.21	SIGMLOG	.051	1K	Sig/M volume 51 documentation
S055.22	SIGMLOG	.052	6K	Sig/M volume 52 documentation
S055.23	SIGMLOG	.053	12K	Sig/M volume 53 documentation
S056	-CATALOG	.056		Contents of Sig/M volume 56
S056.01	COMP	.COM	8K	Musicraft system 2 pass COMPiler
S056.02	EDIT	.COM	11K	Musicraft system EDITor
S056.03	HELP	.MUS	42K	Musicraft system HELP facility
S056.04	MUSIC	.COM	4K	Musicraft MUSIC system
S056.05	PCOPY	.COM	1K	Musicraft system COPY program
S056.06	PRINT	.COM	1K	Musicraft system - obtain PRINTed score
S056.07	PLAY	.COM	9K	Musicraft system - load and PLAY music
S056.08	READ	.ME	1K	How to get into the Musicraft system
S056.09	SETUP	.COM	14K	Tailor the programs to your system
S056.10	UTIL	.COM	7K	Musicraft system - UTILITY program
S056.11	WAVE	.COM	7K	Musicraft system - instrument WAVEform generator
S056.12	APND1	.DOC	17K	Musicraft setup worksheet documentation
S056.13	APND2	.DOC	3K	Musicraft worksheet documentation continued
S056.14	CHECK	.DOC	14K	Initial CHECKout documentation
S056.15	INTRO	.DOC	16K	Table of Contents & INTRO to Musicraft system
S056.16	OPTNS	.DOC	16K	OPTION line description
S056.17	PROG1	.DOC	19K	Programs description
S056.18	PROG2	.DOC	17K	Programs description continued
S056.19	PROG3	.DOC	19K	Programs description continued
S057	-CATALOG	.057		Contents of Sig/M volume 57
S057.01	ALEGFTO	.SNG	3K	Musicraft selection

S057.02	BACHBUCH.SCD	1K	Musicraft jukebox menu selection
S057.03	BBB .SNG	8K	Musicraft selection
S057.04	BIRTHDAY.SNG	1K	Musicraft selection
S057.05	BOURREE .SNG	4K	Musicraft selection
S057.06	CAPRICIO.SNG	4K	Musicraft selection
S057.07	CLARINET.WAV	1K	Musicraft waveform table
S057.08	CLASSICS.SCD	1K	Musicraft jukebox menu selection
S057.09	CODA .SNG	7K	Musicraft selection
S057.10	DUET .SNG	2K	Musicraft selection
S057.11	EQ12 .WAV	1K	Musicraft waveform table
S057.12	EQ124 .WAV	1K	Musicraft waveform table
S057.13	FLS .SNG	9K	Musicraft selection
S057.14	FUGHETTO.SNG	3K	Musicraft selection
S057.15	GAVOTTE .SNG	7K	Musicraft selection
S057.16	INTERACT.SCD	1K	Musicraft jukebox menu selection
S057.17	INVENT1 .SNG	6K	Musicraft selection
S057.18	INVENT3 .SNG	7K	Musicraft selection
S057.19	INVENT4 .SNG	7K	Musicraft selection
S057.20	INVENT8 .SNG	7K	Musicraft selection
S057.21	KYBD1 .SNG	3K	Musicraft selection
S057.22	KYBD2 .SNG	1K	Musicraft selection
S057.23	KYBD3 .SNG	1K	Musicraft selection
S057.24	KYBD4 .SNG	3K	Musicraft selection
S057.25	MODERN .SCD	1K	Musicraft jukebox menu selection
S057.26	MOLTO .SNG	5K	Musicraft selection
S057.27	MOZART .SNG	4K	Musicraft selection
S057.28	OBOE .WAV	1K	Musicraft waveform table
S057.29	ORGAN .WAV	1K	Musicraft waveform table
S057.30	ORIGINAL.SCD	1K	Musicraft jukebox menu selection
S057.31	PAUL .SNG	5K	Musicraft selection
S057.32	PRAELUD1.SNG	10K	Musicraft selection
S057.33	READ .ME	1K	Musicraft selection
S057.34	SAW2 .WAV	1K	Musicraft waveform table
S057.35	SAW3 .WAV	1K	Musicraft waveform table
S057.36	SAW4 .WAV	1K	Musicraft waveform table
S057.37	SAWTOOTH.WAV	1K	Musicraft waveform table
S057.38	SCARLATI.SNG	18K	Musicraft selection
S057.39	SCHERZO .SNG	4K	Musicraft selection
S057.40	SHOSTO1 .SNG	10K	Musicraft selection
S057.41	SINE .WAV	1K	Musicraft waveform table
S057.42	SQUARE .WAV	1K	Musicraft waveform table
S057.43	T42 .SNG	6K	Musicraft selection
S057.44	TRNS .SNG	7K	Musicraft selection
S057.45	TRUMPET .WAV	1K	Musicraft waveform table
S057.46	TRUMPET2.WAV	1K	Musicraft waveform table
S057.47	VANBEET .SNG	6K	Musicraft selection
S057.48	WAVES .SCD	1K	Musicraft selection
S057.49	WAVES .SNG	1K	Musicraft selection
S058	-CATALOG.058		Contents of Sig/M volume 58
S058.01	CiOS .SQC	9K	Musicraft logical I/O system source for CP/M
S058.02	CIOSP .SQC	5K	Musicraft logical I/O system source for CP/M
S058.03	COMP1 .SQC	12K	Musicraft compiler source code
S058.04	COMP2 .SQC	1K	Musicraft compiler source code
S058.05	CPM .SQC	1K	Musicraft CP/M equates
S058.06	CUTIL .SQC	6K	CP/M version of UTIL subroutine package
S058.07	EDIT1 .SQC	11K	Musicraft development system EDITor source code
S058.08	EDIT2 .SQC	7K	Musicraft development system EDITor source code
S058.09	EDIT3 .SQC	11K	Musicraft development system EDITor source code
S058.10	EDIT4 .SQC	6K	Musicraft development system EDITor source code
S058.11	EDIT5 .SQC	1K	Musicraft development system EDITor source code
S058.12	FLOAT .SQC	11K	Musicraft floating point source code
S058.13	MACROS .SQC	4K	Musicraft MACROs source code
S058.14	MUSIC1 .SQC	5K	Musicraft MUSIC development system source
S058.15	MUSIC2 .SQC	1K	Musicraft MUSIC development system source
S058.16	PLAY1 .SQC	12K	Musicraft system - play a song

S058.17	PLAY2	.SQC	7K	Musicraft system - play a song
S058.18	TIOS	.SQC	5K	Logical I/O system for TRS-80 level 2
S058.19	TIOSP	.SQC	5K	Logical I/O system for TRS-80 level 2
S058.20	TRS80	.SQC	1K	TRS-80 implementation of Musicraft system
S058.21	TUTIL	.SQC	5K	TRS-80 version of UTILity subroutine package
S058.22	UTIL1	.SQC	12K	UTILity subroutine package source code
S058.23	UTIL2	.SQC	2K	UTILity subroutine package source code
S058.24	WAVE1	.SQC	12K	Generates attribute library of instruments
S058.25	WAVE2	.SQC	2K	Generates attribute library of instruments
S058.26	SQ	.COM	14K	SQqueeze compression program
S058.27	USQ	.COM	10K	UnSQqueeze expansion program
S059	-CATALOG.059			Contents of Sig/M volume 59
S059	SIG/M	.LIB		Sig/M library submittal form
S059	CRCK	.COM		Computes CRC for files
S059.01	CABORT	.ASM	2K	Users level ABORT for BDS-C version 1.44
S059.02	CABORT	.CRL	1K	Users level ABORT for BDS-C version 1.44
S059.03	CORE1	.	13K	CORE image that results from compiling PBASE
S059.04	ENVIRON	.DOC	2K	Notes on customization of PISTOL
S059.05	PBASE	.	17K	PISTOL source code used to educate PISTOL.COM
S059.06	PISTB	.C	8K	Second PISTOL module
S059.07	PISTB	.CRL	6K	Second PISTOL module
S059.08	PISTC	.C	3K	Third PISTOL module
S059.09	PISTC	.CRL	2K	Third PISTOL module
S059.10	PISTD	.C	5K	Fourth PISTOL module
S059.11	PISTD	.CRL	5K	Fourth PISTOL module
S059.12	PISTE	.C	3K	Fifth PISTOL module
S059.13	PISTE	.CRL	2K	Fifth PISTOL module
S059.14	PISTF	.C	6K	Sixth & final PISTOL module
S059.15	PISTF	.CRL	4K	Sixth & final PISTOL module
S059.16	PISTGEN	.SUB	1K	SUBMIT file to GENERate this disk
S059.17	PISTOL	.C	4K	Main PISTOL module
S059.18	PISTOL	.COM	18K	This & 'CORE1' make new develop language - PISTOL
S059.19	PISTOL	.CRL	2K	PISTOL-Portably Implemented Stack Oriented Lnguge
S059.20	PISTOL	.DOC	39K	Documentation of PISTOL
S059.21	PISTOL	.H	4K	Constants & externals for PISTOL
S059.22	PISTOL	.PAS	41K	PASCAL version of PISTOL - runs on DEC 20
S059.23	PISTSUB	.SUB	1K	SUBmit file to compile & link .C modules
S059.24	READ	.ME	7K	History and editorial for PISTOL
S059.25	SESSION0	.DOC	5K	Example session - shows most basic functions
S059.26	SESSION1	.DOC	9K	Constants, var's, new words, & MACROS creation
S060	-CATALOG.060		2k	Contents of Sig/M Volume 60
S060	SIG/M	.LIB	2K	Sig/M program submittal form
S060	CRCK	.COM	2K	File CRC geneation and test program
S060	D	.COM	2K	Restricted Directory list program
S060	MFT	.COM	2K	File transfer program
S060.01	D-24	.ASM	17K	Restricted Directory list program
S060.02	D-24	.COM	2K	Restricted Directory list program
S060.03	DUPUSR2	.ASM	8K	Program to DUPLICATE file in USer areas
S060.04	DUPUSR2	.COM	1K	DUPLICATE file in USer areas
S060.05	FLIP4	.ASM	3K	Program to FLIP originate/answer mode
S060.06	FLIP4	.COM	1K	FLIP originate/answer mode
S060.07	MLIST50	.ASM	13K	Multiple file LISTER program
S060.08	MLIST50	.COM	2K	Multiple file LISTER
S060.09	ENTBBS25	.ASC	8K	Front end logger for RBBS
S060.10	MINBBS25	.ASC	18K	Message module for RBBS
S060.11	RBBS22	.DOC	6K	Remote Bulletin Board System
S060.12	RBBS25	.ASC	23K	Remote Bulletin Board System
S060.13	RBSUTL22	.ASC	9K	RBBS utility program
S060.14	SD-41	.DOC	12K	Super Directory listing program
S060.15	SD-42	.ASM	47K	Super Directory listing
S060.16	SD-42	.COM	2K	Super Directory listing
S060.17	FLS-11	.COM	9K	Ambiguous file name expander
S060.18	SQ-15	.COM	14K	File SQqueeze program
S060.19	SQ/USQ15	.DOC	1K	File SQqueeze/UnSQqueeze system

S060.20	SQUEEZER.DOC	23K	File Squeeze/unsqueeze documentation
S060.21	USQ-15.COM	10K	File UnSqueeze program
S061	-CATALOG.061		Contents of Sig/M volume 61
S061.01	ARTICLES.D	4K	DIMS example file for magazine articles
S061.02	ARTICLES.DD	4K	DIMS example file for magazine articles
S061.03	ARTICLES.DOC	1K	DIMS example of notes file via DOC command
S061.04	DCFORM.ASC	9K	DIMS file format design program
S061.05	DCREATE.ASC	4K	DIMS create a new file format
S061.06	DDOC.ASC	3K	DIMS command to display/write notes on data
S061.07	DEDIT.ASC	25K	DIMS editor
S061.08	DGET.ASC	3K	Gets sequential file & adds to DIMS file
S061.09	DHELP.ASC	2K	DIMS editor HELP displays
S061.10	DHELP.DOC	6K	Screen texts used by HELP
S061.11	DIMS.ASC	10K	Dan's Information Management system w/menu
S061.12	DINSTALL.DOC	37K	Installation & operation manual for DIMS
S061.13	DLABELS.ASC	6K	Print 1-up mailing labels for DIMS
S061.14	DLETTERS.ASC	6K	Print form letters w/file data for DIMS
S061.15	DPUT.ASC	4K	PUTS record set out to required file for DIMS
S061.16	DSORT.ASC	14K	SORT command field for DIMS
S061.17	DSTAT.ASC	7K	Calculate descriptive statistics for DIMS data
S061.18	FILES.DOC	3K	DIMS file documentation
S061.19	FORMFORM.DWS	17K	Wordstar source to design screen/prINTER formats
S061.20	LONGADDR.D	1K	Example data file - long form address list
S061.21	LONGADDR.DD	1K	Example data file - long form address list
S061.22	READ.ME	3K	DIMS release letter
S061.23	SHORT.DFO	1K	Screen/prINTER format control file for SHORT form
S061.24	SHORT1.DFO	1K	Screen/prINTER format control file for SHORT form
S061.25	SHORTADD.D	1K	Example data file - short form address list
S061.26	SHORTADD.DD	1K	Example data file - short form address list
S061.27	STANDADD.D	1K	Example data file - standard form address list
S061.28	STANDADD.DD	1K	Example data file - standard form address list
S061.29	STRIP.BAS	3K	Utility to make DEDIT smaller
S062	<see Z10>		
S063	<see Z11>		
S064	<see Z12>		
S065	-CATALOG.065		Contents of Sig/M volume 65
S065	CRCK.COM		CRC generation and test program
S065.01	BYE.DOC	12K	Updated BYE
S065.02	BYE78.ASM	70K	Updated BYE
S065.03	DIRLST/1.ASM	5K	ASCII DIRectory LIst for SUBMIT
S065.04	ENTAB.ASM	10K	Replace spaces with TABs
S065.05	FILECOPY.ASM	6K	Single drive file COPY
S065.06	MODEM76.ASM	69K	Updated MODEM Ver 7.6
S065.07	MODEM76.COM	10K	Updated MODEM 7
S065.08	MODEM76.SET	6K	Updated MODEM 7
S065.09	SUBGEN10.DOC	13K	.SUB file GENerator documentation
S065.10	SUBGEN12.ASM	19K	.SUB file GENerator
S066	-CATALOG.066		Contents of Sig/M volume 66
S066	CRCK.COM		CRC generation and test program
S066.01	APBYE.ASM	36K	Apple modem support
S066.02	APMBOOT.ASM	8K	Apple modem support
S066.03	APMODEM.DOC	5K	Apple MODEM support documentation
S066.04	APMODEM22.ASM	40K	Apple MODEM support
S066.05	MODEM3.ASM	34K	MODEM support for PMMI 103
S066.06	SD-43.DOC	2K	Super Directory documentation
S066.07	SD-44.ASM	48K	Super Directory Ver 4.4
S066.08	ZCPR-14.ASM	61K	Customized CCP update
S067	-CATALOG.067		Contents of Sig/M volume 67 - June 29, 1982
S067	CRCK.COM		CRC generation and test program

S067.01	FINDBD54.ASM	32K	FIND diskette BaD spots
S067.02	I8085 .LIB	2K	8085 MACRO Library
S067.03	NEWBAUD2.ASM	4K	Change BAUD rate w/o redialing
S067.04	PRL0D .ASM	4K	Relocation LOaDer for .PRL files
S067.05	REZ7/31 .ASM	33K	RESOURCE disassembler Ver 7.3
S067.06	REZ7/31 .DOC	26K	RESOURCE disassembler documentation
S067.07	SMFORTH1.ASM	22K	Minimal FORTH
S067.08	SMODEM36.MAC	83K	Updated MODEM 7 for Smart Modem
S067.09	SUB .ASM	22K	Extended SUBMIT
S067.10	WHODERE2.ASM	9K	Record disk I/O onto LST:

S068	-CATALOG.068		Contents of Sig/M volume 68 - July 3, 1982
S068	ABSTRACT.068		Notes on ED/ASM, DYNATRCE and TURNKEY
S068	CRCK .COM		CRC generation and test program
S068.01	DIF2 .OBJ	15K	DIFFerential file print
S068.02	DIF2 .RNO	4K	DIFFerential file print
S068.03	SSED2 .OBJ	11K	Differential file print routine
S068.04	DYNATRCE.ASM	54K	8080 emulator/TRACE program
S068.05	ED/ASM .COM	5K	EDitor/ASseMbler program Ver 2.7
S068.06	ED/ASM .DOC	8K	EDitor/ASseMbler documentation
S068.07	ICOPY1 .ASM	7K	ISIS II to CP/M conversion
S068.08	MFT46A .ASM	18K	Single drive multiple-file transfer
S068.09	PLINK65 .ASM	24K	Remote file communication
S068.10	PLINK65 .DOC	5K	Remote file communication
S068.11	TSAVE4 .ASM	6K	Tarbell SAVE program
S068.12	TURNKEY .PAT	3K	Turnkey sys for independent warm/cold BOOT cmds
S068.13	TURNKEY .PGM	9K	Turnkey sys for independent warm/cold BOOT cmds
S068.14	TURNKEY .PUN	5K	Turnkey sys for independent warm/cold BOOT cmds
S068.15	UNSPOL33.ASM	21K	Updated "DESPPOOL" look-alike
S068.16	UNSPPOOL .DOC	13K	Updated "DESPPOOL" look-alike
S068.17	USERID1 .ASM	14K	Bulletin board support
S068.18	ZESOURCE.DOC	3K	DOC on RESOURCE disassembler Ver 2.0
S068.19	ZESOURCE.OBJ	7K	RESOURCE disassembler Ver 2.0

S069 <see Z13>

S070	-CATALOG.070		Contents of Sig/M volume 70 - July 12, 1982
S070	CRCK .COM		CRC generation and test program
S070.01	A-NEW .NBP	3K	NorthStar BASIC programs
S070.02	BOMBER .NBP	3K	NorthStar BASIC game
S070.03	BOXING .NBP	3K	NorthStar BASIC game
S070.04	DECISION.NBP	5K	NorthStar BASIC game
S070.05	DEPTHCHG.NBP	2K	NorthStar BASIC game
S070.06	DRUNK .NBP	4K	NorthStar BASIC game
S070.07	ELIZA .NBP	7K	NorthStar BASIC game
S070.08	ENTERPRI.NBP	7K	NorthStar BASIC game
S070.09	GROWTH .NBP	4K	NorthStar BASIC program
S070.10	HDSUB .NBP	1K	NorthStar BASIC program
S070.11	HEXDEC .NBP	2K	NorthStar BASIC program
S070.12	INDEX .NBP	1K	NorthStar BASIC program
S070.13	INTEREST.NBP	2K	NorthStar BASIC program
S070.14	LOANPAY1.NBP	3K	NorthStar BASIC program
S070.15	MICKEY .NBP	4K	NorthStar BASIC program
S070.16	NAVAID1 .NBP	2K	NorthStar BASIC program
S070.17	NBP .HLP	2K	NorthStar BASIC read me-for-help file
S070.18	PEANUTS .NBP	4K	NorthStar BASIC program
S070.19	PLOT .NBP	1K	NorthStar BASIC program
S070.20	PRIME .NBP	1K	NorthStar BASIC program
S070.21	QUBIC .NBP	7K	NorthStar BASIC game
S070.22	RECURSIV.NBP	10K	NorthStar BASIC program
S070.23	STARLANE.NBP	13K	NorthStar BASIC game
S070.24	STARTRE\$.NBP	12K	NorthStar BASIC game
S070.25	STORY .NBP	2K	NorthStar BASIC program
S070.26	TIME .NBP	2K	NorthStar BASIC program
S070.27	TIMEPRNT.NBP	1K	NorthStar BASIC program
S070.28	UFO .NBP	8K	NorthStar BASIC game

S070.29 FORTH110.ASM 62K Fig FORTH rev 1.1 for CP/M
S070.30 XREF141.ASM 43K Cross REference for .ASM/.PRN

S071 <see Z14>

S072 <see Z15>

S073	-CATALOG.073		Contents of Sig/M volume 73 - September 26, 1982
S073.01	CMD .ASM	4K	Pass CP/M command line to BASCOM
S073.02	COMMAND .BAS	1K	Test program for CMD.ASM
S073.03	COMP-12 .ASM	7K	Binary file COMPArison used with DD6
S073.04	COMP-12 .DOC	3K	Binary file COMPArison used with DD6
S073.05	DAISYDRV.ASM	2K	Diablo 1610/20 BIOS driver using ETX/ACK
S073.06	DD6 .ASM	27K	Enhanced DDUMP Ver 2.15
S073.07	DD6 .DOC	13K	Documentation for enhanced DDUMP
S073.08	DIABLO .ASM	6K	Bidirectional driver for DIABLO 1620
S073.09	DLABEL .BAS	4K	Print disk LABELs
S073.10	ICOPY .ASM	10K	COPY ISIS to CP/M, Ver 2.2 - includes 2D
S073.11	ITHICA1 .ASM	4K	Ithaca extensions for DJ2D BIOS, 512 byte DPB
S073.12	ITHICA2 .ASM	4K	Ithaca extensions Ver 1.2
S073.13	MACRO3 .LIB	20K	Bill Bolton MACRO library
S073.14	MAP .ASM	4K	MAP disk space on Microsoft programs Ver 1.2
S073.15	MAPTEST .BAS	1K	TEST program for MAP
S073.16	MEMRS .ASM	21K	Exhaustive MEMory Test
S073.17	MEMRS .DOC	7K	MEMory Test documentation
S073.18	PAGE-10 .ASM	6K	File screen PAGEing utility Ver 1.1
S073.19	PAGE-11 .ASM	7K	Screen PAGEer - bouncy keyboard version 1.2
S073.20	PROM08U .ASM	15K	SD systems PROM-100 board driver 2708
S073.21	PROM16U .ASM	14K	SD systems PROM-100 board driver 2716-2758
S073.22	PUT .ASM	17K	User area transfer utility
S073.23	VDB1-71 .ASM	8K	VDB-8024 video board firmware - simulates ADM/TVI
S073.24	VDM-112 .ASM	10K	Memory-mapped video driver for ADM31
S073.25	WIDIR .ASM	7K	Wide ISIS II to CP/M DIRectory utility
S073.26	WMPAT .ASM	3K	Wordmaster 1.06 patch for VDM-1

S074	-CATALOG.074		Contents of Sig/M volume 74 - September 26, 1982
S074.01	BACKUP .C	11K	Disk copy program
S074.02	BCKUP .ASM	6K	Disk copy program
S074.03	CLOCK .C	6K	Read Godbout SS1 CLOCK
S074.04	CLOCK .H	1K	Header for CLOCK.C
S074.05	CLOCK-CB.BAS	8K	CB-80 Godbout SS1 CLOCK
S074.06	CLOCK-M .BAS	7K	MBASIC Godbout CLOCK
S074.07	COMPARE .ASM	8K	Binary file COMPARE
S074.08	COPY .ASM	8K	Disk COPY program
S074.09	COPY21 .ASM	19K	Fast COPY - Morrow DJ2D
S074.10	CPACK .DOC	12K	Documentation for CP/M utility programs
S074.11	DATEDEMO.C	8K	DEMO file - CLOCK.C
S074.12	DDTTOMAC.C	7K	Converts DDT disassembly to .ASM
S074.13	DDTTOMAC.DOC	2K	Converts DDT disassembly to .ASM
S074.14	DDTTOMAC.OBJ	10K	Converts DDT disassembly to .ASM
S074.15	DIARY .BAS	8K	CBASIC diary program
S074.16	DOS .ASM	2K	System size and address locator
S074.17	FIXDIR .C	6K	Rename or erase illegal filenames in DIRectory
S074.18	FIXDIR .DOC	4K	Documentation for FIXDIR
S074.19	FPROD .BAS	8K	Frequency PRODUcts for RF engineers
S074.20	FPROD1 .BAS	8K	Frequency PRODUcts for RF engineers
S074.21	H2651 .ASM	10K	2651 USART interface for HITE
S074.22	KEY .C	3K	Programs KEYpad on ADM-31, allows strings
S074.23	KEYPAD .BAS	1K	Programs KEYpad on ADM-31, allows strings
S074.24	MARGIN .C	3K	Diablo type MARGIN set
S074.25	MGAME .C	3K	Number guessing game
S074.26	PCPATCH .ASM	2K	PIP - continue patch
S074.27	PCPATCH .DOC	1K	PIP - continue patch
S074.28	REST .DDT	5K	Example for DDTTOMAC.C
S074.29	RESTORE .ASM	5K	RESTOREs erased files
S074.30	SORTDIR .ASM	6K	SORT DIRector program for CP/M 1.4

S074.31	STRIP	.C	2K	STRIPS MSB off files
S074.32	U2651	.ASM	6K	USART interface for Godbout Interfacer 3/4
S074.33	U8250	.ASM	4K	BSTAM interface for 8250 on CCS Z80 CPU
S074.34	UCASE	.BAS	1K	MBASIC Upper CASE conversion
S074.35	UCCS7710	.ASM	2K	Apple interface to CCS 7710A card in CP/M sys
S074.36	UGODBOUT	.ASM	3K	Godbout interfacer 1/2 serial I/O routines
S074.37	USERSHOW	.ASM	2K	USER number display prompt patch
S074.38	VERIFY	.C	9K	VERIFies disk files
S074.39	XOUT22	.ASM	2K	Removes XSUB during SUB w/o cold boot

S075	-CATALOG.075			Contents of Sig/M volume 75 - September 26, 1982
S075.01	640GRAPH	.ASM	5K	GRAPHics routines for ETI-640
S075.02	640GRAPH	.HLP	1K	GRAPHics routines for ETI-640
S075.03	BOOT	.OBJ	1K	Cold BOOT for Apple CP/M, see TURNKEY.DOC
S075.04	FFT	.BAS	4K	Fourier transform
S075.05	FM	.ASM	7K	FM file DIR map catalog utility
S075.06	G80	.ASM	2K	BDS C library part 0
S075.07	G81	.ASM	9K	BDS C library part 1
S075.08	G82	.ASM	4K	BDS C library part 2
S075.09	G8M	.CSM	9K	G8?.ASM and G20.ASM files redone for CASM
S075.10	G8X	.H	1K	Header file for G8?.C files
S075.11	GCO	.C	10K	Inverse video char set for Exidy Sorcerer
S075.12	GZO	.ASM	7K	Video routines for Exidy Sorcerer
S075.13	GZ80	.LIB	2K	MACROs used in G??ASM
S075.14	ID	.FRT	13K	ID kingdom game - FORTRAN
S075.15	IDENTIFY	.ASM	2K	Identify CPU you are using
S075.16	INVADERS	.Z80	32K	Space Invaders for ETI-640
S075.17	MACTIME	.ASM	6K	TIME from Godbout SS1
S075.18	OZNAKI1	.ASM	6K	Life game for VDM-1/ETI
S075.19	PULSE12	.BAS	1K	Use with FFT.BAS
S075.20	PULSE25	.BAS	1K	Use with FFT.BAS
S075.21	ROMAN80	.ASM	5K	Convert Arabic to ROMAN numerals
S075.22	SEARCH	.BAS	3K	Magazine library SEARCH
S075.23	SHELLM	.ASM	3K	SHELL/Metzner sort routine
S075.24	SINE1010	.BAS	1K	Use with FFT.BAS
S075.25	STATTIME	.ASM	5K	TIME patch for STAT
S075.26	TURNKEY	.DOC	2K	Documentation for Turnkey - BOOT
S075.27	TURNKEY	.OBJ	1K	Create auto load Apple CP/M diskette
S075.28	UPG80	.ASM	57K	AMS80 monitor Ver 3.1 (JADE I/O boards)
S075.29	VFILE	.C	9K	Random FILE access routines

S076	-CATALOG.076			Contents of Sig/M volume 76 - October 27, 1982
S076	CRC	.COM		CRC generation program
S076.01	SETUP	.ED	3K	Editor enhancement commands
S076.02	ED	.PRN	9K	Portable screen EDitor print procedure
S076.03	ED	.DOC	4K	Documentation on portable screen Editor
S076.04	ED0	.C	1K	C - language source file for Editor
S076.05	ED1	.CCC	1K	C - language source file for Editor
S076.06	ED2	.C	9K	C - language source file for Editor
S076.07	ED3	.C	16K	C - language source file for Editor
S076.08	ED4	.C	8K	C - language source file for Editor
S076.09	ED5	.C	2K	C - language source file for Editor
S076.10	ED6	.C	1K	C - language source file for Editor
S076.11	ED7	.C	3K	C - language source file for Editor
S076.12	ED8	.C	5K	C - language source file for Editor
S076.13	ED9	.C	3K	C - language source file for Editor
S076.14	ED10	.C	6K	C - language source file for Editor
S076.15	ED	.C	1K	C - language source master include file
S076.16	MBUFFER	.MAC	1K	M80 buffer
S076.17	ED/H19	.COM	25K	Compiled H19 Editor
S076.18	ED	.SUB	2K	C SUBMIT file
S076.19	L80	.SUB	1K	SUBMIT file for L80 linking
S076.20	FAST	.ASM	21K	Updated FAST - to speed up operation of CP/M 2.2
S076.21	FAST2	.OBJ	3K	Updated FAST - to speed up operation of CP/M 2.2
S076.22	FAST2MAN	.DOC	21K	FAST manual
S076.23	PACKUP	.ASM	15K	Pack and move routines for FAST

S076.24	REL	.UTL	2K	FAST utility
S076.25	RELED	.SUB	1K	FAST utility
S076.26	RELFAS	.SUB	1K	FAST utility
S076.27	SIDFAST	.SUB	1K	FAST utility
S076.28	UTL	.LIB	3K	UTL file linkage MACRO
S076.29	KID	.ASM	3K	Keyboard definition
S076.30	KID/KIP	.DOC	2K	Documentation for simulated function keys
S076.31	KIP	.ASM	3K	Keyboard input patch
S076.32	SDIR	.BAS	3K	MBASIC DIR sort
S076.33	SURVEY4	.ASM	14K	System memory map - BDOS, BIOS, ROM, ports, etc.
S076.34	SURVEY4	.COM	2K	System memory map - BDOS, BIOS, ROM, ports, etc.
S076.35	UNERA	.ASM	11K	Recover erased files - with wildcards
S076.36	UNERA	.COM	1K	Recover erased files - with wildcards
S076.37	WCT3	.C	4K	File word count showing columns of print Ver 1.0
S076.38	WCT3	.COM	6K	File word count showing cols of print

S077	-CATALOG.077			Contents of Sig/M volume 77 - October 27, 1982
S077	CRC	.COM		CRC generation program
S077.01	ZCPR	.AQM	34K	Replacement CCP version 1.0 squeezed
S077.02	ZCPR	.ASM	51K	Replacement CCP version 1.0
S077.03	ZCPR-16	.ASM	66K	Replacement CCP version 1.6
S077.04	NZCPR-16	.DIF	24K	Differences between Ver 1.6 and Ver 1.0
S077.05	NZCPR-16	.DOC	2K	Documentation for ZCPR version 1.6
S077.06	NZCPR-16	.DQF	17K	Difference file 1.6/1.0 squeezed

S078	-CATALOG.078			Contents of Sig/M volume 78 - October 27, 1982
S078	CRC	.COM		CRC generation program
S078.01	BENCHMK	.BAS	2K	Benchmark test in BASIC
S078.02	BENCHMK	.C	4K	Benchmark test in C
S078.03	BENCHMK	.FOR	5K	Benchmark test in FORTRAN
S078.04	BENCHMK	.PAS	3K	Benchmark test in PASCAL
S078.05	BENCHMK	.DOC	6K	Documentation on benchmark test
S078.06	BIGTIME	.BAS	15K	Adds video controls
S078.07	CALENDAR	.BAS	2K	Calendar generator
S078.08	DECR	.C	2K	Strips CRLFs from a file
S078.09	CLIST	.C	3K	LISTs C source files w/include files
S078.10	CLIST	.OBJ	8K	LISTs C source files w/include files
S078.11	CMPBUFLC	.C	1K	Compare 2 buffers (alphas to LC for compare)
S078.12	CPYBUF	.C	1K	COPY buffer 's' to 'd' for 'n' bytes
S078.13	DETAB	.C	1K	Replace TABs with blank spaces
S078.14	DIAGN	.C	1K	DIAGNostic output error messages
S078.15	FILENM	.C	1K	Extract FILE NaMe from a line
S078.16	INCL	.C	1K	Include file
S078.17	INSTR	.C	1K	Find first substring occurrence in string
S078.18	PAGIN8	.C	2K	Output 'n' blank lines
S078.19	DISKDEF	.ASM	1K	Disk parameter blocks for 4 drives
S078.20	DISKDEF	.LIB	1K	DISKDEF MACROs
S078.21	FPRIME	.BAS	1K	MBASIC prime number benchmark
S078.22	FPRIME	.C	1K	C prime number benchmark
S078.23	INTERRUPT	.ASM	8K	INTERRUPT handler for SS1
S078.24	L2NEW	.C	25K	Enhanced L2 BDS C linker
S078.25	MOVECOM	.DOC	1K	Documentation for MOVECOM
S078.26	MOVECOM	.WPM	2K	Spellbinder command - MOVES ASM file comments
S078.27	MXREF	.BAS	6K	MBASIC cross REF utility
S078.28	SHELL	.MAC	14K	Memory resident SUB type program
S078.29	SHELLSORT	.MAC	5K	SHELL SORT add-on code
S078.30	SURVIVAL	.BAS	16K	CBASIC2 SURVIVAL game
S078.31	SURVIVAL	.OBJ	19K	CBASIC2 game
S078.32	TALK1-5	.ASM	23K	Interrupt driven MODEM program for Zilog SIO
S078.33	TALK1-5	.DOC	2K	Documentation on SIO interrupt driven MODEM
S078.34	TALK1-5	.OBJ	2K	Interrupt driven MODEM program for Zilog SIO
S078.35	TIME	.ASM	2k	Displays TIME on console using Godbout SS1
S078.36	TIME	.OBJ	1k	Displays TIME on console using Godbout SS1

S079	-CATALOG.079			Contents of Sig/M volume 79 - October 27, 1982
S079	ABSTRACT.079			Comments from PL/I-80 UG volume 2

S079	DOC	.079		Documentation on this volume
S079.01	ACCESS	.OVL	2K	ACCESS display overlays
S079.02	ACCESS	.PLI	2K	Record access and update primitives
S079.03	ATTRIB	.DCL	1K	Field ATTRIButes and record structure
S079.04	COMP	.SUB	1K	Compile SUB file
S079.05	CREATE	.OVL	2K	Database creation display overlays
S079.06	CREATE	.PLI	2K	Database creation file
S079.07	DATA	.DAT	1K	Database file
S079.08	DEF	.DAT	1K	Database DEFinition file
S079.09	IO	.PLI	2K	Primitives used for I/O by other modules
S079.10	KEY	.DAT	1K	Database access keys - same order as records
S079.11	KEY	.DCL	1K	Declaration include file - linked list of keys
S079.12	LINK1	.SUB	1K	Links overlay system
S079.13	LINK2	.SUB	1K	Links database system as one .COM file
S079.14	MENU	.COM	13K	Overlay system root module
S079.15	MENU	.PLI	3K	Overlay system root module source w/function MENU
S079.16	REPORT	.OVL	2K	REPORT generation overlay
S079.17	REPORT	.PLI	1K	Database REPORT generation source
S079.18	SALE	.OVL	5K	Point-of-sale overlay
S079.19	SALE	.PLI	4K	Creates invoice on disk & updates database
S079.20	SETDEF	.OVL	3K	SETDEF display overlays
S079.21	SETDEF	.PLI	2K	Reads/validates DEF.DAT checks for price and qty
S079.22	SETKEY	.OVL	2K	SETKEY display overlays
S079.23	SETKEY	.PLI	1K	Reads KEY.DAT file & builds linked key list
S079.24	UPDATE	.OVL	1K	UPDATE display overlays
S079.25	UPDATE	.PLI	2K	Performs database updates
S079.26	COPY	.PLI	9K	File COPY utility with query for verification
S079.27	COPY	.SUB	1K	SUB file to generate COPY.COM
S079.28	ERAQ	.PLI	5K	File ERASE utility with query for verification
S079.29	ERAQ	.SUB	1K	SUB file to generate ERAQ.COM
S079.30	FCBS	.PLI	12K	FCBs used by programs on a drive
S079.31	FCBS	.SUB	1K	SUB file to generate FCBS.COM
S079.32	FCB	.DCL	1K	FCB declaration include
S079.33	DIOMOD	.DCL	2K	Include file for PLIDIO.ASM
S079.34	PLIDIO	.ASM	21K	PL/I-80 interface for direct BIOS calls
S079.35	PLIBIOS	.DCL	1K	Declares entry points for PLIBIOS.ASM
S079.36	PLIBIOS	.ASM	6K	PL/I-80 interface for direct read and write calls
S079.37	MPMCALLS	.PLI	13K	First half of test program for MPMDIO.ASM
S079.38	MPMCALLS	.SUB	1K	SUB file to generate MPMCALLS.COM
S079.39	MPMCALLC	.PLI	8K	Second half of test program for MPMDIO.ASM
S079.40	MPMDIO	.DCL	2K	Declares entry points for MPMDIO.ASM
S079.41	MPMDIO	.ASM	5K	PL/I-80 interface for direct MP/M calls
S079.42	CHAIN	.ASM	3K	Relocates to TPA top, loads & executes .COM file
S079.43	CHAIN	.SUB	1K	SUB file to generate CH1.COM and CH2.COM
S079.44	CH1	.PLI	2K	Tests CHAIN.ASM routine, may invoke FPARSE.PLI
S079.45	CH2	.PLI	1K	Test program - CHAINS to CH1.COM
S079.46	PARSE	.PLI	4K	PARSES ambiguous (*,?) filename into CP/M FCB
S079.47	FPARSE	.PLI	4K	PARSES unambiguous filename into CP/M FCB
S079.48	PTEST	.PLI	2K	Tests PARSE & FPARSE routines
S079.49	PTEST	.SUB	1K	SUB file to generate PTEST.COM
S079.50	ADUMP	.PLI	2K	Hex memory DUMP - displays 16 byte address w/dump
S079.51	ODUMP	.PLI	2K	Hex memory DUMP - displays offset from base ptr
S079.52	AODUMP	.PLI	2K	Hex memory DUMP - displays address & offset
S079.53	DUMPTTEST	.PLI	1K	Hex memory DUMP TEST routine
S079.54	DUMPTTEST	.SUB	1K	SUB file to generate DUMPTTEST.COM
S079.55	HEXBIN	.PLI	1K	Converts 2 HEX digits into binary fixed value
S079.56	HEXTEST	.PLI	1K	TESTs HEXBIN for HEX string to fixed conversion
S079.57	HEXTEST	.SUB	1K	SUB file to generate HEXTEST.COM

S080 <see Z16>

S081 <see Z17>

S082 <see Z18>

S083 -CATALOG.D83

				CRC generation program
S083	CRC	.COM		
S083.01	ICE	.DOC	5K	In Context Editor - uses window for ADM-31
S083.02	ICE	.PLI	30K	In Context Editor - uses window for ADM-31
S083.03	ICE	.REL	20K	In Context Editor - uses window for ADM-31
S083.04	ICE	.SUB	1K	In Context Editor - uses window for ADM-31
S083.05	ICE-EDIT	.PLI	13K	In Context Editor - uses window for ADM-31
S083.06	ICE-END	.PLI	1K	In Context Editor - uses window for ADM-31
S083.07	ICE-GP	.PLI	11K	In Context Editor - uses window for ADM-31
S083.08	ICE-MAIN	.PLI	4K	In Context Editor - uses window for ADM-31
S083.09	ICE-MAKE	.SUB	1K	In Context Editor - uses window for ADM-31
S083.10	ICE-VDU	.PLI	2K	In Context Editor - uses window for ADM-31
S083.11	TTHelp0	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.12	TTHelp1	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.13	TTHelp2	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.14	TTHelp3	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.15	TTHelp4	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.16	TTHelp5	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.17	TTKEYBD	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.18	TTYPE	.BAS	22K	TouchTyping Tutor in MBASIC for ADM-31
S083.19	TTYPE	.OBJ	22K	TouchTyping Tutor in MBASIC for ADM-31
S083.20	TTYPE	.DOC	19K	TouchTyping Tutor in MBASIC for ADM-31
S083.21	TTYPE	.WST	20K	TouchTyping Tutor in MBASIC for ADM-31
S083.22	TTYPEXA	.DAT	1K	TouchTyping Tutor in MBASIC for ADM-31
S083.23	TTYPEXB	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.24	TTYPEXC	.DAT	3K	TouchTyping Tutor in MBASIC for ADM-31
S083.25	TTYPEXD	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.26	TTYPEXE	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.27	TTYPEXF	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.28	TTYPEXG	.DAT	2K	TouchTyping Tutor in MBASIC for ADM-31
S083.29	TTYPEXH	.DAT	3K	TouchTyping Tutor in MBASIC for ADM-31
S083.30	TTYPEXI	.DAT	3K	TouchTyping Tutor in MBASIC for ADM-31
S083.31	TTYPEXJ	.DAT	3K	TouchTyping Tutor in MBASIC for ADM-31

S084	-CATALOG.084			Contents of SIG/M volume 84 November 3, 1982
S084	CRC	.COM		Checksum program
S084	SIG/M	.LIB		Submission form
S084.01	BYE72G	.ASM	48K	updated communications
S084.02	BYE72G	.COM	3K	programs with options
S084.03	CHAT19	.ASM	8K	for international
S084.04	CHAT19	.COM	1K	operations.
S084.05	ENTRBBS	.BAS	24K	
S084.06	EXITRBBS	.BAS	7K	
S084.07	FLIP4	.ASM	4K	
S084.08	FLIP4	.COM	1K	
S084.09	MB00T3-A	.ASM	7K	
S084.10	MB00T3-A	.COM	1K	/
S084.11	MINIRBBS	.BAS	30K	/
S084.12	RBBSUTIL	.BAS	13K	/
S084.13	XSTAM+	.ASM	28K	/
S084.14	XSTAM+	.COM	10K	/
S084.15	FIND+	.ASM	13K	Updated FIND
S084.16	FIND+	.COM	1K	/
S084.17	HELP14	.ASM	15K	Updated HELP
S084.18	HELP14	.COM	2K	/
S084.19	TAG3	.ASM	8K	updated TAG
S084.20	TAG3	.COM	1K	/

S085 <see Z19>

S086	-CATALOG.086			Contents of SIG/M volume 86 November 15, 1982
S086.01	/	.COM	3K	FAST2 program to speed
S086.02	FAST2MAN	.DOC	21K	CP/M 2.2 programs
S086.03	DOS	.COM	1K	State of system
S086.04	DU	.COM	6K	Superzap, etc. for CP/M
S086.05	DU-V77	.DOC	7K	/
S086.06	FIND	.COM	1K	Locate ASCII string

S086.07	FINDBAD	.COM	2K	Finds bad 5" & 8" disks
S086.08	FMAP	.COM	1K	Location of files
S086.09	LCOPY	.COM	2K	Fast copy 8" disks
S086.10	MCOPY	.COM	2K	Fast copy 5" disks
S086.11	MEMRS	.COM	2K	Memory test
S086.12	MFT	.COM	2K	Multiple file trans - 1 drive
S086.13	MODEM	.COM	8K	Modem 7 for RS RS232 or
S086.14	MODEM7	.DOC	16K	Lynx modem
S086.15	SD	.COM	2K	Super Directory
S086.16	SIZE	.COM	1K	File size
S086.17	SORTDIR	.COM	2K	Alphabetizes directory
S086.18	SPEED	.COM	1K	Sets Holmes Sprinter
S086.19	SQ	.COM	14K	Squeeze and unsqueeze
S086.20	USQ	.COM	10K	files
S086.23	ZCPR-10	.DOC	45K	Significantly improves
S086.24	ZCPR-OM	.ASM	48K	CP/M 2.2. A "must" program
S086.25	ZCPR-OM	.HEX	6K	for any system.
S086.26	SURVEY	.COM	2K	Status of system
S086.27	TIME	.COM	1K	Time/date - Alpha timedate
S086.28	TYPFR	.COM	1K	Use TRS-80 as typewriter
S086.29	UNERA	.COM	1K	Wildcard unerase
S086.30	WASH	.COM	3K	Handy disk utility
S086.31	WC	.COM	7K	Counts words in file
S086.32	XTYPE	.COM	9K	Types squeezed files too

S087	-CATALOG.087			Contents of SIG/M volume 87 - November 18, 1982
S087.01	THEFED	.TXT	3K	CBASIC version of model
S087.02	THEFED	.INT	19K	used by St. Louis Federal
S087.03	ECON1	.DAT	5K	Reserve District to test
S087.04	FORCAST2	.DAT	1K	alternate money supply
S087.05	PRNTECON	.INT	3K	policies.
S087.06	PRNTFORC	.INT	2K	/
S087.07	BDSCAT	.AQL	33K	BDSC catalog
S087.08	DISPLAY+	.ASM	16K	types file without wildcards
S087.09	DISPLAY+	.COM	3K	/
S087.10	TYP+	.ASM	13K	types file with wildcards
S087.11	TYP+	.COM	3K	/
S087.12	HELP	.HLP	7K	miscellaneous help programs
S087.13	MESSAGES	.HLP	6K	for bulletin boards
S087.14	MODEM	.HLP	18K	
S087.15	QUICK	.HLP	1K	
S087.16	RATFOR	.HLP	19K	
S087.17	SOFTWARE	.HLP	11K	
S087.18	THIS-SYS	.HLP	22K	
S087.19	NEWCOM	.	2K	

S088	-CATALOG.088			SYSLIB volume 1 of 3 - December 18, 1982
S088.01	SYSLIBI	.WS	10K	Introduction to SYSLIB
S088.02	SYSLIBUG	.WS	124K	SYSLIB User's Guide
S088.03	SYSLIB	.WS	103K	SYSLIB Reference Manual (part I)

S089	-CATALOG.089			SYSLIB volume 2 of 3 - December 18, 1982
S089	HELP	.COM		Help program
S089.01	SYSLIBHD	.WS	15K	Ref manual table of contents
S089.02	SYSLIBID	.WS	3K	Reference manual index
S089.03	SYSLIBR	.WS	3K	Reference manual index
S089.04	SYSLIBS	.WS	42K	SYSLIB Reference manual (part 2)
S089.05	SYSLIB	.HLP	15K	SYSLIB Help file
S089.06	SYSLIB1	.HLP	14K	!
S089.07	SYSLIB2	.HLP	4K	!
S089.08	SYSLIB3	.HLP	8K	!
S089.09	SYSLIB4	.HLP	6K	!
S089.10	SYSLIB5	.HLP	6K	!
S089.11	SYSLIB6	.HLP	4K	
S089.12	SYSLIB7	.HLP	6K	
S089.13	SYSLIB8	.HLP	6K	

S089.14	SYSLIB9 .HLP	7K
S089.15	SYSLIBA .HLP	7K
S089.16	SYSLIBB .HLP	5K
S089.17	SYSLIBC .HLP	8K
S089.18	SYSLIB .REL	13K
S089.19	S0FILEIO.MAC	2K
S089.20	S1FILEIO.MAC	2K
S089.21	S2FILEIO.MAC	2K
S089.22	S3FILEIO.MAC	2K
S089.23	SBBLINE .MAC	3K
S089.24	SBDOS .MAC	1K
S089.25	SBIOS .MAC	3K
S089.26	SBLINE .MAC	3K
S089.27	SCAPS .MAC	1K
S089.28	SCAPSTR .MAC	1K
S089.29	SCATH .MAC	1K
S089.30	SCCOUT .MAC	2K
S089.31	SCIN .MAC	1K
S089.32	SCLOUT .MAC	2K
S089.33	SCODEND .MAC	1K
S089.34	SCOMP .MAC	2K
S089.35	SCOMPHD .MAC	1K
S089.36	SCONDIN .MAC	1K
S089.37	SCOUT .MAC	1K
S089.38	SCPOUT .MAC	2K
S089.39	SCRC .MAC	4K
S089.40	SCRC1 .MAC	4K
S089.41	SCRLF .MAC	1K
S089.42	SCST .MAC	1K

SYSLIB REL file
SYSLIB Source file

S090	-CATALOG.090	
S090.01	SDIR .MAC	34K
S090.02	SEN .MAC	1K
S090.03	SEVAL .MAC	4K
S090.04	SEVAL1 .MAC	2K
S090.05	SEVAL2 .MAC	2K
S090.06	SEVAL3 .MAC	2K
S090.07	SEVAL4 .MAC	2K
S090.08	SFCLOS .MAC	1K
S090.09	SFDEL .MAC	1K
S090.10	SFEXIST .MAC	1K
S090.11	SFILEIO .MAC	9K
S090.12	SFILL .MAC	2K
S090.13	SFMAKE .MAC	1K
S090.14	SFNAME .MAC	5K
S090.15	SFOPEN .MAC	2K
S090.16	SFREAD .MAC	1K
S090.17	SFRENAME.MAC	2K
S090.18	SFWRITE .MAC	1K
S090.19	SHDR .MAC	1K
S090.20	SINITFCB.MAC	1K
S090.21	SINLINE .MAC	6K
S090.22	SINSFORM.MAC	3K
S090.23	SINSTR .MAC	2K
S090.24	SLA2HC .MAC	1K
S090.25	SLADC .MAC	2K
S090.26	SLCRLF .MAC	1K
S090.27	SLHL4HC .MAC	1K
S090.28	SLHL5DC .MAC	2K
S090.29	SLOUT .MAC	1K
S090.30	SLPRINT .MAC	1K
S090.31	SLPSTR .MAC	2K
S090.32	SMA2HC .MAC	1K
S090.33	SMADC .MAC	2K
S090.34	SMATH .MAC	5K
S090.35	SMHL4HC .MAC	1K

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SYSLIB source files

S090.36	SMHL5DC	.MAC	3K
S090.37	SMOVE	.MAC	3K
S090.38	SPA2HC	.MAC	1K
S090.39	SPADC	.MAC	2K
S090.40	SPAUSE	.MAC	3K
S090.41	SPHL4HC	.MAC	1K
S090.42	SPHL5DC	.MAC	2K
S090.43	SPOUT	.MAC	1K
S090.44	SPRINT	.MAC	1K
S090.45	SPSTR	.MAC	2K
S090.46	SRAND	.MAC	2K
S090.47	SRIN	.MAC	1K
S090.48	SSCANNER	.MAC	2K
S090.49	SSORT	.MAC	14K
S090.50	SUD	.MAC	2K
S090.51	SVERSION	.MAC	1K
S090.52	SYSTEST	.MAC	4K
S090.53	SYSTEST1	.MAC	3K
S090.54	SYSTEST2	.MAC	3K
S090.55	SYSTEST3	.MAC	4K
S090.56	SYSTEST4	.MAC	6K
S090.57	SYSTEST5	.MAC	2K
S090.58	SYSTEST6	.MAC	5K
S090.59	SZCPR	.MAC	7K
S090.60	SZFNAME	.MAC	16K
S090.61	SZGPINS	.MAC	3K

S091	-CATALOG.091		
S091	ABS	.091	
S091.01	DUTIL	.ASM	64K
S091.02	DUTIL	.COM	9K
S091.03	DASM	.COM	10K
S091.04	DASM	.MAC	74K
S091.05	DASMTDL	.MAC	13K
S091.06	DASMZLG	.MAC	17K
S091.07	XLATE2	.COM	5K
S091.08	XLATE2	.MAC	36K

Contents of SIG/M volume 91 - December 18, 1982
 disk documentation
 Revision of DU (Disk utility)
 with extended features
 Disassembles Zilog Z80 or TDL
 mnemonics; based on RESOURCE;
 built in documentation
 /
 Translates Intel 8080 source
 code to Zilog Z80 code

S092	-CATALOG.092		
S092.01	A68K	.COM	41K
S092.02	A68K	.DOC	9K
S092.03	A68K	.DON	3K
S092.04	DATE	.COM	8K
S092.05	DATE	.DOC	1K
S092.06	T5	.ASM	1K
S092.07	T5	.HEX	1K
S092.08	T5	.PRN	3K
S092.09	RBBS-USE	.DOC	10K
S092.10	RBBS31	.ASC	27K
S092.11	RBBS31A	.DOC	9K
S092.12	RBSUTL31	.BAS	10K
S092.13	COMPILER	.LO1	9K
S092.14	LITL-ADA	.ASM	26K
S092.15	LITL-ADA	.DOC	1K
S092.16	LITL-ADA	.PRN	45K

Contents of SIG/M volume 92 - January 14, 1983
 68000 Cross Assembler

Bulletin Board Program

Little Ada Compiler requires
 adaptation to run on other
 than a Polymorphic system
 /

S093	-CATALOG.093		
S093.01	MODEM798	.ASM	88K
S093.02	MODEM798	.HIS	20K
S093.03	MODEM798	.INF	4K
S093.04	MODEM797	.LIB	19K
S093.05	MODEM798	.OBJ	16K
S093.06	MODEM798	.SET	6K
S093.07	TRSMODEM	.COM	16K
S093.08	MCNFG798	.ASM	13K
S093.09	MCOSB798	.ASM	9K

Contents of SIG/M volume 93 - January 15, 1983
 Modem program update

Modem Configure - general
 " " Osborne 0-1

S093.10	MCQXS798.ASM	18K	"	"	Epson QX-10
S093.11	MNUMB798.ASM	2K	Phone number file		
S093.12	CHGLIB .ASM	14K	Changes Modem phone		
S093.13	CHGLIB .COM	2K	library		
S093.14	CHGLIB .DOC	4K	/		

S094 <see Z20>

S095 <see Z21>

S096	-CATALOG.096		contents of Sig/M volume 96 - February 3, 1983
S096.01	CLOCK .A86	12K	Tests Compupro clock board
S096.02	CRCK-51 .A86	18K	Checksum program
S096.03	D .A86	18K	Directory program
S096.04	ERQ .A86	3K	Selective file erase
S096.05	FILE-EXT.A86	8K	Directpry program
S096.06	FINDBAD .A86	33K	Checks disks
S096.07	INUSE .A86	11K	"Hold" that computer!
S096.08	MUCHTEXT.A86	5K	Word count
S096.09	PAGE .A86	7K	Pages output
S096.10	PRINT .A86	13K	Output to printer
S096.11	SD .A86	15K	Super directory
S096.12	XDIR .A86	40K	Detailed directory list
S096.13	XDIR-A86.DOC	7K	/

S097 <see Z22>

S098	-CATALOG.098		ZCPR2 volume 1 of 10 - February 14, 1983
S098	ZCPR2 .IDX		index of this ten volume series
S098.01	SYSIO .ASM	29K	ZCPR2
S098.02	ZCPR2 .ASM	56K	/
S098.03	ZCPRHDR .LIB	15K	/
S098.04	README .TXT	3K	SYSLIB 2.3
S098.05	SCLINE .MAC	2K	!
S098.06	SCRC .MAC	3K	!
S098.07	SCRC1 .MAC	3K	!
S098.08	SCRC2 .MAC	3K	!
S098.09	SFNAME .MAC	5K	!
S098.10	SMHL4HC .MAC	1K	!
S098.11	SVERSION.MAC	1K	!
S098.12	SYSLIB .HLP	14K	!
S098.13	SYSLIB .REL	14K	!
S098.14	SYSLIB8 .HLP	7K	!
S098.15	SYSLIB9 .HLP	8K	/
S098.16	SYSLIBC .HLP	10K	/
S098.16	SZCPR .MAC	7K	/
S098.17	SZFNAME .MAC	18K	/
S098.18	SZGPINS .MAC	4K	/

S099	-CATALOG.099		ZCPR2 volume 2 of 10 - February 14, 1983
S099	ZCPR2 .IDX		index of this ten volume series
S099.01	DU2 .ASM	72K	
S099.02	HELP2 .ASM	33K	
S099.03	LRUNZ .ASM	26K	
S099.04	SUB2 .ASM	31K	
S099.05	ZEX .ASM	45K	
S099.06	ZEX .ZEX	5K	

S100	-CATALOG.100		ZCPR2 volume 3 of 10 - February 14, 1983
S100	ZCPR2 .IDX		index of this ten volume series
S100.01	CCPLOC .MAC	5K	
S100.02	CD .MAC	9K	
S100.03	COMPARE .MAC	13K	
S100.04	CRC .MAC	20K	
S100.05	DEVICE .MAC	13K	
S100.06	DIFF .MAC	17K	

S100.07	ECHO	.MAC	6K
S100.08	ERASE	.MAC	15K
S100.09	GENINS	.MAC	43K
S100.10	IOLOADER	.MAC	7K
S100.11	LD	.MAC	10K
S100.12	LDIRZ	.MAC	12K
S100.13	MCHECK	.MAC	14K
S100.14	MCOPY	.MAC	37K

S101	-CATALOG.101		
S101	ZCPR2	.IDX	
S101.01	MENU	.CPR	1K
S101.02	MENU	.MAC	24K
S101.03	MKDIR	.MAC	21K
S101.04	PATH	.MAC	14K
S101.05	PROTECT	.MAC	18K
S101.06	PWD	.MAC	12K
S101.07	RECORD	.MAC	7K
S101.08	RENAME	.MAC	18K
S101.09	SINSFORM	.MAC	3K
S101.10	STARTUP	.MAC	10K
S101.11	TEMPLATE	.MAC	11K
S101.12	TINIT	.MAC	13K
S101.13	WHEEL	.MAC	6K
S101.14	XDIR3	.MAC	39K

ZCPR2 volume 4 of 10 - February 14, 1983
Index of ten volume ZCPR2 series

S102	-CATALOG.102		
S102.01	CCPLOC	.COM	1K
S102.02	CD	.COM	4K
S102.03	COMPARE	.COM	5K
S102.04	CONFIG	.COM	19K
S102.05	CRC	.COM	8K
S102.06	DEVICE	.COM	3K
S102.07	DIFF	.COM	6K
S102.08	DU2	.COM	10K
S102.09	ECHO	.COM	1K
S102.10	ERASE	.COM	7K
S102.11	GENINS	.COM	13K
S102.12	HELP	.COM	3K
S102.13	IOLOADER	.COM	4K
S102.14	LD	.COM	5K
S102.15	LDIRZ	.COM	6K
S102.16	LRUNZ	.COM	2K
S102.17	MCHECK	.COM	5K
S102.18	MCOPY	.COM	11K
S102.19	MENU	.COM	2K
S102.20	MKDIR	.COM	8K
S102.21	PATH	.COM	5K
S102.22	PROTECT	.COM	8K
S102.23	PWD	.COM	5K
S102.24	RECORD	.COM	2K
S102.25	RENAME	.COM	8K
S102.26	STARTUP	.COM	4K
S102.27	SUB	.COM	3K
S102.28	TINIT	.COM	5K
S102.29	WHEEL	.COM	2K
S102.30	XDIR	.COM	11K
S102.31	ZEX	.COM	6K
S102.32	TEMPLATE	.MAC	11K
S102.33	CFILES	.HLP	22K
S102.34	COMPARE	.HLP	7K
S102.35	MCOPY	.HLP	11K
S102.36	ZCPR2	.HLP	6K

ZCPR2 volume 5 of 10 - February 14, 1983

[ZCPR2 VERSION]

S103	-CATALOG.103		
S103.01	CPMTR	.HLP	24K

ZCPR2 volume 6 of 10 - February 14, 1983

S103.02	DU2	.HLP	35K
S103.03	HELP	.HLP	1K
S103.04	HELP2	.HLP	22K
S103.05	IO	.HLP	14K
S103.06	LU	.HLP	27K
S103.07	MENU	.HLP	29K
S103.08	NDIRS	.HLP	35K
S103.09	XDIR3	.HLP	22K
S103.10	Z2ALT	.HLP	22K
S103.11	Z2RES	.HLP	7K

S104	-CATALOG.104		
S104	CRC	.COM	
S104	ZCPR2	.IDX	
S104	SIG/M	.LIB	
S104.01	Z2CON	.WS	120K
S104.02	Z2CON	.WSH	8K
S104.03	Z2INS	.WS	87K
S104.04	Z2INS	.WSH	6K

ZCPR2 volume 7 of 10 - February 14, 1983
checksum program
Index of ten Volume ZCPR2 series
donation form

S105	-CATALOG.105		
S105	CRC	.COM	
S105	ZCPR2	.IDX	
S105	SIG/M	.LIB	
S105.01	Z2UG	.WS	77K
S105.02	Z2UG	.WSH	16K
S105.03	Z2UG1	.WS	72K
S105.04	Z2UG2	.WS	56K

ZCPR2 volume 8 of 10 - February 14, 1983
checksum program
Index of ten Volume ZCPR2 series
donation form

S106	-CATALOG.106		
S106	CRC	.COM	
S106	ZCPR2	.IDX	
S106	SIG/M	.LIB	
S106.01	SYSLIB	.WS	107K
S106.02	Z2UG3	.WS	50K

ZCPR2 volume 9 of 10 - February 14, 1983
checksum program
Index of ten Volume ZCPR2 series
donation form

S107	-CATALOG.107		
S107	CRC	.COM	
S107	ZCPR2	.IDX	
S107	SIG/M	.LIB	
S107.01	SYSLIBHD	.WS	12K
S107.02	SYSLIBUG	.WS	123K

ZCPR2 volume 10 of 10 - February 14, 1983
checksum program
Index of ten Volume ZCPR2 series
donation form

S108	-CATALOG.108		
S108	CRC	.COM	
S108	Z2SYS-1	.MOD	
S108.01	DU2	.ASM	72K
S108.02	DU2	.COM	10K
S108.03	LDIRZ	.COM	6K
S108.04	MKDIR	.COM	8K
S108.05	SSORT	.MAC	14K
S108.06	SVERSION	.MAC	1K
S108.07	SYSLIB	.REL	14K
S108.08	ZCPR2	.ASM	56K
S108.09	ZCPRHDR	.LIB	15K
S108.10	Z2RAT	.WQ	34K
S108.11	Z2RAT	.WQH	3K

ZCPR2 update - March 7, 1983
checksum program
explains upgrade
upgrades queue status report
/
corrects for M80 assembler error
corrects identifier error
corrects identifier error
reflects new version number
Version 2.5 of SYSLIB
upgrades to mod 0.3
upgrades to mod 0.3
ZCPR2 Rationale Manual (squeezed WS file)
Rationale Manual headers

S109	-CATALOG.109		
S109	ABSTRACT.109		
S109.01	SECTARY	.ASM	60K
S109.02	SECTARY	.COM	11K
S109.03	NSSEC	.ASM	63K
S109.04	USERMAN0	.TXT	3K
S109.05	USERMAN1	.TXT	22K
S109.06	USERMAN3	.TXT	15K

contents of SIG/M Volume 109 - March 15, 1983
program documentation
Simple word processor program
/
North Star version
User manual for the program
written with the program (and to be
printed from the program).

S109.07	USERMAN4.TXT	17K
S109.08	USERMAN5.TXT	6K
S109.09	ADDENDUM.TXT	8K
S109.10	ADDEND2 .TXT	4K
S109.11	DEMOFILE.TXT	4K
S109.12	SAMPLTTR.TXT	2K
S109.13	SAMPDATA.DAT	1K

demo text files

S110	-CATALOG.110	
S110	ABSTRACT.110	
S110	CRC .COM	
S110	SIG/M .LIB	
S110.01	MAIN .CMD	4K
S110.02	ACG .DBF	5K
S110.03	ADD .ACG	3K
S110.04	BACKUP .ACG	1K
S110.05	DEFAULTS.ACG	1K
S110.06	DELCHECK.ACG	1K
S110.07	DELETE .ACG	1K
S110.08	DUPCHECK.ACG	2K
S110.09	DUPREC .ACG	3K
S110.10	EDIT .ACG	3K
S110.11	HELP .ACG	1K
S110.12	INIT .ACG	2K
S110.13	MAINTAIN.ACG	2K
S110.14	PHONE .ACG	2K
S110.15	PRINT .ACG	2K
S110.16	PURGE .ACG	2K
S110.17	REPORT .ACG	3K
S110.18	SEARCH .ACG	4K
S110.19	VALID .ACG	5K
S110.20	VERIFDEL.ACG	2K
S110.21	VERIFNEW.ACG	2K
S110.22	WSFILE .ACG	4K
S110.23	MAINTAIN.FMT	1K
S110.24	MOD-REC .FMT	3K
S110.25	SAY-REC .FMT	3K
S110.26	COMPANY .NDX	4K
S110.27	LASTNAME.NDX	3K
S110.28	ZIP .NDX	1K
S110.29	CPS .CMD	3K
S110.30	CPS .DOC	1K
S110.31	DBDIR .DOC	1K
S110.32	DBDIR .LBR	15K
S110.33	FORM .CMD	2K
S110.34	FORM .DOC	1K
S110.35	LABELPT1.CMD	5K
S110.36	LABELPT2.CMD	5K
S110.37	POKE1 .CMD	4K
S110.38	POKE1 .DOC	1K
S110.39	SHOWMEM .CMD	5K
S110.40	SHOWMEM .DOC	1K
S110.41	TIMECHAR.CMD	4K
S110.42	ARCS-DEP.CAL	15K
S110.43	RULE-78 .CAL	11K
S110.44	SAP27 .COM	2K
S110.45	SWEEP37 .COM	28K

contents of SIG/M Volume 110 - March 15,1983
 program documentation
 checksum program
 donation program
 Amateur Computer Group of New Jersey
 demonstration dBASEII modular data
 base. To initiate, type "dBASE main"
 and follow prompts. Note the comments
 in the files.

Sets date from Mountain Hardware
 CPS card
 Example of ASM file in dBASE for
 directory read.
 Prints dBASE fields and
 structure
 Structure for label printing
 file.
 Poke memory from dBASE
 /
 Displays memory from dBASE
 /
 Structure for job cost calculation.
 Calculates depreciation in Super Calc.
 Supercalc Rule of 78 calculation.
 Updated sort and pack program.
 Updated SWEEP program (WASH).

S111	-CATALOG.111	
S111	CRC .COM	
S111	SIG/M .LIB	
S111.01	BACKUP .ASM	31K
S111.02	BACKUP .COM	4K
S111.03	BACKUP .DOC	7K
S111.04	BIGBURST.ASM	12K
S111.05	BIGBURST.COM	2K

contents of SIG/M Volume 111 - March 15,1983
 checksum program
 donation program
 Backs up hard disk where entire file
 fits on one floppy disk.
 /
 Backs up hard disk where file must be
 stored in multiple loops because of

S111.06	BIGBURST.DOC	3K
S111.07	FLOPCOPY.ASM	17K
S111.08	FLOPCOPY.COM	3K
S111.09	FLOPCOPY.DOC	2K
S111.10	INTERCPM.ASM	7K
S111.11	INTERCPM.COM	3K
S111.12	INTERCPM.DOC	2K
S111.13	JP .ASM	1K
S111.14	JP .COM	1K
S111.15	JP .DOC	1K
S111.16	INTERDOS.ASM	20K
S111.17	INTERDOS.COM	6K
S111.18	INTERDOS.DOC	6K
S111.19	MULTCOPY.ASM	14K
S111.20	MULTCOPY.COM	2K
S111.21	MULTCOPY.DOC	1K

size.
Backs up a floppy to a floppy in a hard disk system with only a single floppy.
Copy files between 5" and 8" CP/M.

Moves data files between CP/M and North Star disks.

Similar to PIP but prompts for new floppy when first one filled.

S112	-CATALOG.112	
S112.01	RBBENT27.BQS	15K
S112.02	RBBEXIT1.BQS	4K
S112.03	RBBMIN27.BQS	19K
S112.04	RBBMIN27.DQC	10K
S112.05	RBBS-I/O.NQW	3K
S112.06	RBBS-PC .BQS	18K
S112.07	RBBS31 .AQC	19K
S112.08	RBBS31 .DQC	3K
S112.09	RBBSTIME.FQX	2K
S112.10	RBSCLOCK.BAS	3K
S112.11	RBSPURGE.BQS	3K
S112.12	RBSPURGE.DQC	2K
S112.13	RBSUTL31.AQC	8K
S112.14	SIGNON .SEE	2K
S112.15	SIGNON-1.ARC	64K
S112.16	SIGNON-1.DIR	1K
S112.17	SIGNON-2.ARC	62K
S112.18	SIGNON-2.DIR	1K

contents of SIG/M Volume 112 - March 15, 1983

Explains disk.

S113	-CATALOG.113	
S113	ABSTRACT.113	
S113	USQ .COM	
S113.01	CPMZ100 .HEX	25K
S113.02	CPMZ100 .NOT	2K
S113.03	KERMIT .CQ	23K
S113.04	PCDOWNLO.DQC	7K
S113.05	PCKERM .CQR	12K
S113.06	PCKERMIT.ASM	119K
S113.07	PCKERMIT.FQX	11K
S113.08	PCKERMIT.HLP	3K
S113.09	PCKERMIT.NOT	4K
S113.10	PCKEXE .BAS	2K
S113.11	PCKFIX .ASM	5K
S113.12	PCKGET .BAS	2K
S113.13	PCKSEND .FOR	1K

contents of Sig/M volume 113 - March 17, 1983
disk readme file
unsqueeze program
KERMIT - Modem Communications for 8080/Z80 CP/M, IBM PC-Dos with main frame host systems

S114	-CATALOG.114	
S114	CRC .COM	
S114	ABSTRACT.114	
S114.01	PISTOL .COM	16K
S114.02	PISTOL .C	5K
S114.03	PISTOL .H	5K
S114.04	PISTOL .HLP	7K
S114.05	PISTOL .PAS	42K
S114.06	ARITH .	2K
S114.07	CORE2 .	16K
S114.08	DEFS .	3K
S114.09	EDITOR .	4K

contents of Sig/M volume 114 - April 1, 1983
checksum program
disk documentation and copywrite notice
PISTOL - "a language in the footsteps of FORTH and STOIC"

S114.10	ENVIRON.DOC	2K	!
S114.11	FUTURE.DEV	5K	!
S114.12	IO.	9K	!
S114.13	ITCOND.	11K	!
S114.14	LOGIC.	2K	!
S114.15	MEMOPS.	4K	!
S114.16	MISC.	5K	!
S114.17	PBASE2.	23K	!
S114.18	PIST2A.C	6K	!
S114.19	PIST2B.C	4K	!
S114.20	PIST2C.C	4K	!
S114.20	PIST2D.C	4K	!
S114.21	PIST2E.C	7K	!
S114.22	PISTSUB.SUB	1K	!
S114.23	READ.ME	7K	!
S114.24	STACK.	3K	!
S114.25	SYSCONS.	4K	!
S114.26	SYSVARS.	8K	!
S114.27	TUTORIAL.	13K	!
S114.28	VOCAB.	6K	!

S115.	-CATALOG.115		
S115.00	ABSTRACT.115		
S115.01	COMPASC.ASM	8K	Compares ASCII files
S115.02	COMPASC.COM	2K	/
S115.03	COMPBIN.ASM	9K	Compares binary files
S115.04	COMPBIN.COM	2K	/
S115.05	CPMD2.FOR	10K	Process CP/M format 8" single density
S115.06	CPMDEC.DOC	2K	disks on PDP-11 under RT-11 or TSX-Plus
S115.07	CPMDEC.FOR	24K	DOS operating systems
S115.08	DEL.ASM	4K	Query delete program
S115.09	DEL.COM	1K	/
S115.10	DEL.DOC	2K	/
S115.11	FPRINT.ASM	7K	Sets printer left margin, double space,
S115.12	FPRINT.COM	2K	all caps and number of copies
S115.13	FPRINT.DOC	2K	/
S115.14	MORTGAGE.COM	21K	Calculates Canadian mortgage payments
S115.15	MORTGAGE.PLI	10K	/
S115.16	MUFIX.DOC	3K	MUMATH fix
S115.17	MUMATRIX.FIX	2K	/
S115.18	PSEUDO.DOC	8K	Combined software-hardware pseudo run
S115.19	PSEUDO.ASM	16K	to single step
S115.20	RCPM-36.LST	31K	Revised Bulletin Board list
S115.21	ROMSUM.ASM	3K	Verifies ROMs
S115.22	ROMSUM.COM	1K	/
S115.23	T1-TAX82.CAL	17K	Supercalc matrix for Canadian taxes
S115.24	UNSPPOOL.ASM	14K	Updated spooler
S115.25	UNSPPOOL.COM	1K	/

S116.	ABSTRACT.116		
S116.00	-CATALOG.116	0K	CONTENTS OF SIGMUG REL 16 MAY 83
S116.01	APLFORTH.TIP	1K	How to run Forth on an Apple
S116.02	APZCPR2.LBR	6K	Implements ZCPR2 on an Apple
S116.03	BISHOW11.ASM	10K	SHOW - upgraded to go forwards and
S116.04	BISHOW11.COM	1K	backwards in the file
S116.05	FORTH130.ASM	72K	Forth for the Apple (or other
S116.06	FORTH130.USE	3K	machines)
S116.07	I/OCAP11.ASM	19K	Creates disk file of all I/O
S116.08	LISTTU84.ASM	44K	List program to take advantage of
S116.09	LISTTU84.COM	4K	Okidata 84 features
S116.10	NZCPR203.DIF	4K	Unofficial ZCPR2 upgrades
S116.11	NZCPR204.DIF	6K	/
S116.12	NZCPR205.DIF	5K	/
S116.13	NZCPR206.DIF	7K	/
S116.14	NZCPR207.DIF	10K	/
S116.15	NZCPRHOR.DIF	3K	/

S117. -CATALOG.117 Sig/M volume 117 released May 16, 1983
 S117.00 ABSTRACT.117 program information
 S117.01 CATXRF11.BAS 4K Update for master catalog system prints
 S117.02 CATXRF11.COM 21K references by file name, ext or disk no.
 S117.03 MDM705HA.ASM 7K DC Hayes Modem 705 overlay
 S117.04 MDM705KP.MQG 1K KAYPRO Modem 705 overlay
 S117.05 MDM705P .AQM 87K Slows Modem 705 dialing
 S117.06 MDM705US.ASM 10K Modem 705 H-19 overlay
 S117.07 REDEF .MAC 8K Allows simple redefinition of key input
 S117.08 Z80 .RDF 1K /
 S117.09 TOOLINTF.DOC 19K Library of useful macros
 S117.10 TOOLS .AQC 38K /
 S117.11 TOOLS .DOC 2K /
 S117.12 TOOLS .REL 10K /

Check as
 done

S118. -CATALOG.118 SIGMUG 118 released June 14, 1983
 S118.00 ABSTRACT.118 introduction to disk
 S118.01 XLISP .COM 39K XLISP
 S118.02 XLISP .DOC 29K
 S118.03 ALLOC .C 4K
 S118.04 JUNK .C 1K
 S118.05 PT .LSP 4K
 S118.06 SBRK .ASM 3K
 S118.07 SETJMP .ASM 2K
 S118.08 SETJMP .H 1K
 S118.09 T .LSP 4K
 S118.10 XLBIND .C 2K
 S118.11 XLDMEM .C 9K
 S118.12 XLEVAL .C 7K
 S118.13 XLFIO .C 5K
 S118.14 XLIO .C 2K
 S118.15 XLISP .C 2K
 S118.16 XLISP .H 6K
 S118.17 XLISP .LNK 1K
 S118.18 XLKMAP .C 7K
 S118.19 XLLIST .C 12K
 S118.20 XLMAKE .SUB 2K
 S118.21 XLMATH .C 9K
 S118.22 XLOBJ .C 18K
 S118.23 XLPRIN .C 4K
 S118.24 XLREAD .C 8K
 S118.25 XLSTR .C 6K
 S118.26 XLSUBR .C 12K

S119. ABSTRACT.119 Library Filing & Utility Sys, BYEII Lib
 S119.00 -CATALOG.119 SIG/M Volume 119 released June 19, 1983
 S119.01 BYEII .LBR 72K Second generation BYE in LBR format.
 S119.02 CHGLIB14.LBR 18K Library file and utility system.
 S119.03 LBR .DOC 3K One file contains all of the
 S119.04 LCRCKNEW.LBR 10K files and information necessary
 S119.05 LDIR .COM 6K to get a program online. All program
 S119.06 LDIR .LBR 13K modules are compacted into a single
 S119.07 LM16 .ASM 33K library (.LBR) file. Using these
 S119.08 LMODEMXX.MSG 2K programs you can extract from the
 S119.09 LRUN20 .ASM 21K LBR file those portions of the total
 S119.10 LRUN20 .COM 2K files you may need. In this way when
 S119.11 LU210 .DOC 29K you receive a library file you are
 S119.12 LU211 .COM 18K assured that you have all the info
 S119.13 LUDEF1 .DOC 7K you need.

S120. ABSTRACT.120 MODEM901 and H-89 Music Composer
 S120.00 -CATALOG.120 SIG/M Volume 120 released June 19, 1983
 S120.01 MODEM901.FIX 1K MODEM9xx merges MODEM796
 S120.02 MODEM901.INF 4K and MDM707 in .LBR form.

S120.03	MODEM901.LBR	140K	(see SIG/M 119).
S120.04	CHGLIB14.LBR	18K	Change phone numbers in MODEM
S120.05	ABBA .	4K	Music composing program
S120.06	COMPOSER.ASM	32K	for H-89 or any GI AY38910
S120.07	COMPOSER.COM	4K	program sound chip board.
S120.08	COMPOSER.DOC	9K	/
S120.09	FAMILY .	3K	/
S120.10	FATHER .	1K	/
S120.11	LOVEYOU .	4K	/
S120.12	MAJESTY .	2K	/
S120.13	PRAISE .	1K	/
S120.14	VOICE .	2K	/
S121.	ABSTRACT		MODEM Updates for MDM7xx and Smartmodem (TM)
S121.00	-CATALOG.121	SUPER	DIRECTORY Update released June 19, 1983
S121.01	MDM709 .LBR	112K	Latest version of MDM7xx
S121.02	MDM709C+.AQM	7K	/
S121.03	SD-48A .AQM	42K	Adds features including .LBR
S121.04	SMODM52E.LBR	73K	Smartmodem modem program
S122.	Volume 122		ZCPR2 for the 8080 Processor
S122.00	-CATALOG.122		released June 29, 1983
S122.	-ZCPR2 .IDX		index of SIG/M vols 98-108
S122.01	DU2-8080.ASM	71K	Programs and information necessary
S122.02	DU2-8080.COM	10K	to run ZCPR2 on 8080 processor.
S122.03	HELP8080.ASM	35K	Z80 ZCPR2, documentation files
S122.04	HELP8080.COM	3K	and all other programs needed to
S122.05	LRUN8080.ASM	25K	implement this modification can
S122.06	LRUN8080.COM	2K	be found on SIG/M Volumes 98-108.
S122.07	ZCPR8080.ASM	57K	/
S122.08	ZCPR8080.DOC	3K	/
S123.	Volume 123		Miscellaneous LBR and other files
S123.00	-CATALOG.123	SIG/M	Volume 123 released July 5, 1983
S123.01	6502DASM.LBR	11K	6502 disassembler
S123.02	ALIENS11.LBR	28K	Fun and games
S123.03	FIND-20 .LBR	11K	String finding utility
S123.04	INKEY .REL	1K	Inkey improvement for BASCOM
S123.05	INKEY .Z80	3K	/
S123.06	MATHLIB .ASM	4K	16 bit math for 6805
S123.07	MATHLIB .SRC	11K	16 bit math for 8048
S123.08	MATHLIB .Z80	3K	16 bit math for Z80
S123.09	ODMP .LBR	47K	Simulation model
S123.10	OPSYN .ASM	2K	IEEE mnemonics with XASM05
S123.11	SORTUSER.BQS	3K	Sorts bulletin board users
S123.12	XFORMER .BQS	13K	Transformer design
S123.13	XMODEM74.LBR	80K	Xmodem update
S124.	Volume 124		ZCPR2 AND SYSLIB UPGRADES
S124.00	-CATALOG.124	Vol 1	of a 2 vol upgrade released Jul 11, 83
S124.	ZCPR2 .IDX		index of SIG/M ZCPR2 volumes
S124.01	COMMENT .COM	1K	ZCPR2 upgrade modules
S124.02	COMPARE .HLP	7K	
S124.03	ECHO .COM	2K	
S124.04	GENINS .COM	14K	
S124.05	MENU8080.COM	3K	
S124.06	PAGE .COM	8K	
S124.07	PATH .COM	5K	
S124.08	PHELP .COM	8K	
S124.09	PRINT3 .COM	8K	
S124.10	SAK .COM	2K	
S124.11	SYSLIB .HLP	15K	
S124.12	SYSLIB .REL	14K	
S124.13	TINIT .COM	5K	
S124.14	UPGRADE .DOC	18K	Documentation for this upgrade
S124.15	Z2ALT .HLP	28K	

S125.	ABSTRACT.125	ZCPR2 SYSLIB UPGRADES Vol 2 of a 2 vol upgrade
S125.00	-CATALOG.125	SIG/M Volume 125 released July 11, 1983
S125.	ZCPR2 .IDX	index of SIG/M ZCPR2 volumes
S125.00	USQ .COM	unsqueeze program
S125.01	COMMENT .MQC	5K ZCPR2 upgrade modules
S125.02	ECHO .MQC	4K
S125.03	GENINS .MQC	31K
S125.04	MENU8080.MQC	16K
S125.05	PAGE .MQC	6K
S125.06	PHELP .MQC	21K
S125.07	PRINT3 .MQC	20K
S125.08	SAK .MQC	6K
S125.09	SDIR .MQC	20K
S125.10	SEPRINT .MQC	1K
S125.11	SEPSTR .MQC	2K
S125.12	SVERSION.MQC	1K
S125.13	SYSTEST2.MQC	3K
S125.14	TEMPLATE.MQC	12K
S125.15	TINIT .MQC	9K
S125.16	ZCPR2-KP.LBR	13K ZCPR2 for the Kaypro II
S125.17	ZCPR2-MD.LBR	25K ZCPR2 for the Morrow MicroDecision

S126.	ABSTRACT.126	ROFF4, V1.50 Text Formatter
S126.00	-CATALOG.126	SIG/M Volume 126 released August 1, 1983
S126.01	BPTEST .	1K Test formatter capable of maximizing
S126.02	DIO .H	1K printer capability. Special symbols
S126.03	EQN .	1K or fonts can be defined. Can create
S126.04	EXY1 .	1K super and subscripts and backspace
S126.05	EXYDEMO .SUB	1K on most printers. "Preprocessor"
S126.06	FOOT .	1K directives can be used to merge stock
S126.07	FORM .	1K phrases, boiler plate, make macro
S126.08	L2 .COM	17K definitions, automate numbering,
S126.09	LIST .	1K create footnotes, table of contents, etc.
S126.10	MATRIX .	1K
S126.11	MX .	6K
S126.12	NDIO .C	5K
S126.13	NEST .	1K
S126.14	PAGES .	2K
S126.15	ROFF4 .C	12K
S126.16	ROFF4 .COM	30K
S126.17	ROFF4 .CRL	7K
S126.18	ROFF4 .DOC	31K
S126.19	ROFF4 .H	9K
S126.20	ROFF4 .SUB	1K
S126.21	ROFF41 .C	7K
S126.22	ROFF41 .CRL	4K
S126.23	ROFF42 .C	7K
S126.24	ROFF42 .CRL	5K
S126.25	ROFF43 .C	5K
S126.26	ROFF43 .CRL	4K
S126.27	ROFF44 .C	6K
S126.28	ROFF44 .CRL	4K
S126.29	ROFF45 .C	8K
S126.30	ROFF45 .CRL	4K
S126.31	ROFF46 .C	8K
S126.32	ROFF46 .CRL	5K
S126.33	ROFF47 .C	8K
S126.34	ROFF47 .CRL	5K
S126.35	SCI .ASM	4K
S126.36	SCI .COM	2K
S126.37	STACKTST.	1K

S127.	ABSTRACT.127	Communication and Disk File Program, SAP Update
S127.00	-CATALOG.127	SIG/M Volume 127 released August 1, 1983

S127.01	COMM7	.DQC	25K	Full feature communication program using
S127.02	COMM7	.HQS	16K	Christiansen protocol for file transfer.
S127.03	COMM723	.AQM	26K	
S127.04	COMM723A	.AQM	34K	
S127.05	COMM723B	.AQM	17K	
S127.06	COMM723C	.AQM	17K	
S127.07	COMM723D	.AQM	28K	
S127.08	COMM7CAL	.AQM	6K	
S127.09	COMM7CAL	.COM	2K	
S127.10	DISK76C	.AQM	34K	Copies, renames, logs, deletes & classifies
S127.11	DISK7	.COM	4K	disk files. 8 bit verification.
S127.12	LASM	.COM	6K	Assembler for use with disk
S127.13	LASM	.DQC	3K	
S127.14	SAP36	.AQM	8K	Updates Sort and Pack
S127.15	SAP	.COM	2K	

S128.	ABSTRACT.128			Bulletin Board Software Upgrades
S128.00	-CATALOG.128			XMODEM for UNIX and VAX/VMS rel Sept 9, 1983
S128.01	BYE72K	.AQM	38K	Upgrade of Bulletin
S128.02	ENTRBBBS	.BQS	21K	Board software from
S128.03	EXITRBBBS	.BQS	6K	Software Tools of
S128.04	GOODBYE	.	1K	Australia
S128.05	MINIRBBBS	.BQS	26K	/
S128.06	TIMEOUT	.BQS	5K	/
S128.07	UTIL	.BQS	11K	/
S128.08	CALLERS	.	0K	Dummy files for Minirbbs
S128.09	COUNTERS	.	0K	/
S128.10	LASTCALR	.	0K	/
S128.11	SUMMARY	.BBS	0K	/
S128.12	UMODEM	.LBR	68K	XMODEM for UNIX
S128.13	XMODEM	.LBR	43K	XMODEM for VAX 11/750 and 780

S129.	ABSTRACT.129			dBASEII ORDER AND INVENTORY PROGRAM
S129.00	-CATALOG.129			JRT PASCAL USER GROUP VOL 1 rel Sept 9, 1983
S129.01	DB2SIG/M	.LBR	180K	A complete dBASEII (TM) order and inventory program. Covers orders for and inventory of SIG/M Vols 1 to 136. When order is entered program advises if in stock or backordered and makes appropriate adjustment to inventory. Prints invoices, shipping labels, disk labels, various reports. Includes FASTBASE (TM) search program which locates any string in any field in all records. Automatic date verification. CompuPro time and date verification. Runs on both CP/M and CP/M 86. Etc.
129.02	JRTPAS-1	.LBR	45K	A comprehensive set of JRT Pascal routines including those in Dr. Wirth's USER MANUAL AND REPORT. To extract the above files you will need LU.COM available on SIG/M Vol 119. TO use LU - type LU TYPE -O at the prompt to open a file TYPE the name of the .LBR file TYPE -L to list the items in the file TYPE -E *.* to extract all files (make sure you have room on the disk - or else extract part at a time.) TYPE -C to close the file TYPE ^C to exit. [LU requires 18K and we just did not have enough room to add it to this disk]

S130.	ABSTRACT.130			"SIGNON" System of programs for RCP/M Usage
S130.00	-CATALOG.130			SIG/M Volume 130 rel September 9 1983

				Subroutine files for use with SIGNON	
S130.01	1100	.SSB	2K	/	
S130.02	1300	.SSB	1K	/	
S130.03	1400	.SSB	1K	/	
S130.04	1600	.SSB	1K	/	
S130.05	200	.SSB	2K	/	
S130.06	2100	.SSB	2K	/	
S130.07	2300	.SSB	1K	/	
S130.08	2500	.SSB	3K	/	
S130.09	3000	.SSB	1K	/	
S130.10	3100	.SSB	1K	/	
S130.11	3300	.SSB	1K	/	
S130.12	400500	.SSB	2K	/	
S130.13	4900CBBS	.SSB	2K	/	
S130.14	4900RBBS	.SSB	1K	/	
S130.15	600	.SSB	1K	/	
S130.16	7800	.SSB	1K	/	
S130.17	800	.SSB	1K	/	
S130.18	8000	.SSB	2K	/	
S130.19	8100	.SSB	1K	/	
S130.20	9100	.SSB	1K	/	
S130.21	BYECMD	.BAS	4K		exit program
S130.22	BYEX	.MAC	1K		subroutine
S130.23	CNFG1	.BAS	8K		sysop's system configuration program 2
S130.24	COMGR	.BAS	10K		sysop's comments manager program
S130.25	COMPILE	.SUB	1K		submit file for compiling a .BAS file
S130.26	CONFIG	.BAS	21K		sysop's system configuration program
S130.27	CONFIG	.CMN	1K		configuration program routines
S130.28	CONVRBB	.BAS	18K		program to convert RBBS files
S130.29	CONVRBB	.DOC	4K		/
S130.30	DRIVER	.MAC	1K		subroutine
S130.31	FINISH	.BAS	6K		exit program
S130.32	JOB	.SUB	1K		submit file used with SSUB to batch jobs
S130.33	LOADRIVE	.SUB	1K		submit file
S130.34	MAKELIB	.SUB	1K		submit file
S130.35	MFIL	.BAS	2K		program to make necessary data files
S130.36	POSYS	.BAS	18K		sysop's general utility
S130.37	SELDISK	.MAC	1K		subroutine
S130.38	SETFMD	.MAC	1K		subroutine
S130.39	SIGNMODS	.DOC	2K		documentation
S130.40	SIGNON	.BAS	16K		main program
S130.41	SIGNON	.DOC	32K		documentation
S130.42	TMOD	.MAC	3K		clock module interface program
S130.43	TMODQT	.MAC	3K		clock module for QT clock
S130.44	TMODSCI	.MAC	5K		clock module for Scitronics clock
S130.45	TMODTEST	.MAC	5K		tests tmod function
S130.46	TOS	.BAS	3K		time on system program
S130.47	USERMD	.MAC	1K		subroutine
S130.48	USRMAINT	.BAS	9K		sysop's user file maintenance program

S131.	SIG/M Volume	131	ABSTRACTS FROM PASCAL Z USER GROUP VOL 23		
S131.00	-CATALOG	131	cont of SIG/M Volume 131 rel Sept 9, 1983		
S131.01	ALPH2INT	.PAS	4K		returns integer value of string
S131.02	BEEP	.SRC	1K		procedure to ring bell
S131.03	BLNKSCRN	.SRC	1K		procedure to blink
S131.04	CASELIB	.PAS	2K		function to turn lower to upper case
S131.05	CHARIN	.SRC	1K		procedure to input char.
S131.06	CHROUT	.SRC	1K		procedure to output char.
S131.07	CLOCK	.SRC	11K		calendar clock master program
S131.08	CLRHM	.SRC	1K		proc. to clear screen & home cursor
S131.09	CMPTXT	.SRC	2K		proc. to compare two ASCII strings
S131.10	CONFIN	.PAS	1K		proc. that returns standard deviation
S131.11	DATE	.SRC	2K		uses clock board
S131.12	DATENTIM	.PAS	3K		prints date from Godbout SSI board
S131.13	DATENTIM	.SRC	5K		/
S131.14	DECOMPOS	.PAS	3K		matrix function
S131.15	DRVLOG	.SRC	2K		line driver mines loaded drive

S131.16	GETEXT .SRC	2K	routine to get text from console
S131.17	HEXOUT .SRC	2K	hex print to console from program
S131.18	INITSEED.	1K	procedure to get seed by calling "Time"
S131.19	KARET .SRC	1K	outputs CR/LF to console
S131.20	KBDIN .SRC	2K	checks keyboard, returns with ASCII in A
S131.21	LEVEL .PAS	3K	procedure to use "HIPAD" to print oversize
S131.22	LEVEL .SRC	7K	/
S131.23	LITEPEN .SRC	2K	A function to read port of light pen
S131.24	MEDIAN .PAS	2K	determines median value of list
S131.25	MEDIAN .SRC	4K	/
S131.26	MESIJ .SRC	2K	prints message to console
S131.27	MNANDVAR.PAS	1K	procedure to get mean/variance
S131.28	NAMEDATE.PAS	2K	changes date from integer to strings
S131.29	NAMEDATE.SRC	5K	/
S131.30	PLOT .PAS	4K	X Y plots
S131.31	POINT .SRC	5K	reads "HIPAD"
S131.32	POPSTATS.PAS	9K	calculates mean, mode, etc.
S131.33	POPSTATS.SRC	25K	/
S131.34	QQSORTR .PAS	6K	updated QQSORT
S131.35	READQ .SRC	1K	reads console w/o waiting for CR
S131.36	READREAL.PAS	10K	flexible proc. for console input
S131.37	RNDKNUTH.LIB	7K	Knuth random generator method
S131.38	SELECT .PAS	5K	function to partially sort array
S131.39	SELECT .SRC	11K	/
S131.40	SMOOTH9 .PAS	2K	smooths 9 points of data
S131.41	STREAM .SRC	5K	reads a stream from "HIPAD"
S131.42	TIME .SRC	2K	reads clock digit
S131.43	TSTMEDN .PAS	7K	median test
S131.44	TSTQSORT.PAS	2K	Qsort test
S131.45	USEPLOT .PAS	2K	used as shell to plot
S131.46	USEWLREG.PAS	3K	tests plot procedures
S131.47	WAVE .SRC	5K	fill array from Hipad in stream mode
S131.48	WEEKDAY .PAS	1K	function to change date to day
S131.49	WEEKDAY .SRC	1K	/
S131.50	ZELLER .PAS	2K	returns time between dates
S131.51	ZELLER .SRC	3K	/

S132.	ABSTRACT.132		PASCAL Z USER GROUP VOLUME 24
S132.00	-CATALOG.132		SIG/M Volume 132 released September 9, 1983
S132.01	BIOMO .PAS	9K	monthly bio-graf
S132.02	CHECKS .PAS	26K	updates NOW with on-line code changes
S132.07	EXAMPL .CHK	1K	/
S132.08	EXAMPL .DOC	6K	/
S132.09	EXAMPL .NAM	2K	/
S132.04	DEL .COM	1K	file delete program
S132.05	EPSON .COM	8K	Epson printer program
S132.06	EPSON .PAS	3K	/
S132.12	LS .C	8K	directory listing program
S132.13	LS .COM	8K	/
S132.14	LS .DOC	2K	/
S132.15	PROM .FIL	18K	illustrates how prom burner works
S132.16	QUIZ .TXT	2K	test
S132.17	QUIZANS .TXT	3K	/
S132.18	READCMD .DOC	5K	program to handle arguments in a
S132.19	READCMD .P	8K	command tail
S132.20	READCMD .REL	3K	/
S132.10	GETNUMS .P	4K	/
S132.11	GETNUMS .REL	1K	/
S132.25	TESTCMD .COM	14K	/
S132.26	TESTCMD .PAS	4K	/
S132.03	CTOI .REL	1K	/
S132.21	ROTATE .BAS	3K	letter game
S132.22	ROTATE .COM	13K	/
S132.23	STUDENT .COM	19K	keep student grades
S132.24	STUDENT .PAS	20K	/
S132.27	TRACER .AZM	11K	trace execution of Z80 program

S132.28	TRACER .DOC	2K	/
S132.29	WRITNUM .COM	9K	writes up to \$9,999.99
S132.30	WRITNUM .PAS	3K	/
S132.31	ZDUMP .COM	9K	dump program with a variety of
S132.32	ZDUMP .PAS	6K	options

S133.	ABSTRACT.133	PASCAL Z USERS GROUP VOL 25	
S133.00	-CATALOG.133	SIG/M Volume 133 released September 9, 1983	
S133.01	METRICS .COM	24K	converts metrics
S133.02	METRICS .PAS	15K	/
S133.03	BASICOPS.PAS	23K	extended precision floating point
S133.04	BYTEOPS .REL	1K	/
S133.05	BYTEOPS .SRC	8K	/
S133.06	FLPTCONS.PAS	1K	/
S133.07	FLPTDEMO.COM	28K	/
S133.08	FLPTDEMO.PAS	3K	/
S133.09	FLPTTEXT .PAS	2K	/
S133.10	FLPTPACK.DOC	7K	/
S133.11	FLPTTYPE.PAS	1K	/
S133.12	FLPTVAR .PAS	1K	/
S133.13	EDITFEED.COM	19K	designs a balanced cattle feed ration
S133.14	EDITFEED.PAS	5K	/
S133.15	EDITFILE.COM	16K	/
S133.16	EDITFILE.PAS	9K	/
S133.17	FEED .DAT	5K	/
S133.18	FEEDLOT .DOC	11K	/
S133.19	BUILDF .PAS	4K	/
S133.20	INITIAL .PAS	2K	/
S133.21	LINEAR .COM	24K	/
S133.22	LINEAR .PAS	8K	/
S133.23	LINTTEST .DAT	2K	/
S133.24	MODIFYF .PAS	4K	/
S133.25	PRINT .PAS	2K	/

S134.	ABSTRACT.134	PASCAL Z USERS GROUP VOL 26	
S134.00	-CATALOG.134	SIG/M Volume 134 released September 9, 1983	
S134.01	ANIMALS .COM	26K	animal guessing game without
S134.02	ANIMALS .PAS	41K	prior "bugs"
S134.03	BEASTS .QQQ	1K	
S134.04	BEASTS .QQX	1K	
S134.05	BINTOHEX.PAS	2K	converts binary to hex
S134.06	HEXTOBIN.PAS	3K	/
S134.07	CHECKS .COM	9K	checkbook program
S134.08	CHECKS .DOC	20K	/
S134.09	CHECKS .Z80	53K	/
S134.10	EXAMPL .CHK	1K	/
S134.11	EXAMPL .DOC	6K	/
S134.12	EXAMPL .NAM	2K	/
S134.13	CLEAN .PAS	9K	filters characters to printer
S134.14	CLEANPRT.PAS	5K	/
S134.15	MACRO .SRC	4K	collection of macros
S134.16	DRVCHK .PAS	2K	procedure to check filename drive
S134.17	GETFILES.PAS	2K	procedure to get files
S134.18	CONVERT .DOC	2K	converts numbers between string
S134.19	GLOBALS .INT	1K	and real and integers to string
S134.20	GLOBALS .RN\$	2K	/
S134.21	PASZCODE.INT	4K	/
S134.22	PASZCODE.RN\$	10K	/
S134.23	PROFILE .REL	1K	Hipad routine to fill array
S134.24	PROFILE .SRC	8K	/
S134.25	TP .PAS	1K	/
S134.26	TRIGLIB .PAS	4K	seven trig functions
S134.27	TSTAN2 .COM	14K	converts regression coefficient
S134.28	TSTAN2 .PAS	1K	to slope angle

S135.	ABSTRACT.135	SOFTWARE TOOLS OF AUSTRALIA - VOL 17	
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1334m
7th
6/16

SIG/M Volume 135 released September 1, 1983

S135.00	-CATALOG.135	8K	Displays disk directory formatted
S135.01	DIR-DUMP.ASM	2K	for 64 col. screen
S135.02	DIR-DUMP.DOC	1K	/
S135.03	DIR-DUMP.OBJ	5K	Exit from CP/M to comms program (8251 UART)
S135.04	EXTCOM1 .ASM	14K	Comprehensive disk format display
S135.05	INF .MAC	2K	/
S135.06	INF .OBJ	8K	Graphics driver for C.Itoh 8010
S135.07	ITOH5000.ASM	8K	Loader for machine language programs
S135.08	LD1 .C	2K	'Locks' program for security
S135.09	LOCK .DOC	11K	/
S135.10	LOCK .OBJ	11K	/
S135.11	LOCK .WPF	1K	/
S135.16	MKEY .OBJ	5K	/
S135.17	MKEY .WPF	11K	/
S135.32	UNLOCK .OBJ	12K	/
S135.33	UNLOCK .WPF	6K	Printer program - currently set for Epson
S135.12	LPR .CQ	14K	/
S135.13	LPR .OBJ	27K	Multiple file transfer program
S135.14	MFT50 .ASM	3K	/
S135.15	MFT50 .OBJ	6K	Hardcopy catalog in master catalog system
S135.18	PCAT .BAS	12K	Beats you every time
S135.19	POKER .BAS	6K	Move a program to top of TPA and run it
S135.20	RELOC .CQ	19K	/
S135.21	RELOC .DQC	7K	/
S135.22	RELOC .MQC	10K	/
S135.23	RELOC .OBJ	1K	/
S135.24	RELOC .REL	1K	/
S135.25	RELOC .SUB	2K	/
S135.26	RELOC .TXT	1K	/
S135.27	SPR2 .OBJ	1K	/
S135.28	SRP1 .OBJ	1K	/
S135.29	TEST .SUB	4K	/
S135.30	TEST1 .MQC	2K	/
S135.31	TEST2 .MQC	2K	Translate .WPF files to conventional
S135.34	WPF .C	6K	format
S135.35	WPF .OBJ		

S136. ABSTRACT.136 BIG-BOARD utilities, modem patches, LISP doc.

S136.00 -CATALOG.136 Software Tools of Australia Vol 18, rel Sept 9,83

S136.01	BB-VIDEO.MOD	1K	Video mod. for BIG-BOARD
S136.02	BBSCAN .ASM	7K	Disk integrity verifier for BIG-BOARD
S136.03	BBSCAN .DOC	4K	/
S136.04	BIGBDFMT.ASM	7K	Disk formatting program for BIG-BOARD
S136.05	BIGBDFMT.DOC	1K	/
S136.06	BIGBDFMT.OBJ	1K	/
S136.07	DATMODH .AQM	29K	MODEM7A configured for DATAMAX
S136.08	FFC .ASM	12K	Bill Earnest's FAST copy for BIG-BOARD
S136.09	INDEX .YA2	2K	Yam disk index
S136.10	LIFSCORE.BAS	17K	How long to go
S136.11	LISP .WPM	3K	Documentation for LISP interpreter, 8080
S136.12	MOD4BB1A.OBJ	4K	MODEM4 configured for BIG-BOARD
S136.13	MODEMH .DOC	5K	/
S136.14	OZDEM .ASM	4K	MODEM7 patch for OSBORNE 1
S136.15	PATCH .YAM	2K	YAM patch to disable system file access
S136.16	REMOTE .DOC	3K	Construct. details for remote SORCERER keybd
S136.17	SORMODH .AQM	29K	MODEM7 configured for SORCERER
S136.18	TRANSLAT.DOC	2K	BIG-BOARD keyboard translation
S136.19	TRANSLAT.Z80	5K	/
S136.20	YAMB9 .CRL	1K	YAMB & YAM9 combined for BDS C v1.46
S136.21	YAMB9 .CSM	5K	/
S136.22	YAMKAP .OBJ	27K	YAM modem program for KAYPRO II
S136.23	YAMOSB .OBJ	25K	YAM modem program for OSBORNE 1
S136.24	YAMSAN .OBJ	25K	YAM modem program for SANYO MBC-1000

S137. BLDG ENERGY DESIGN ANALYSIS-Calif Energy Comm Vol 1 of 2

S137.00 -CATALOG.137 cont of SIG/M Volume 137 rel Set 7 1983

S137.01	MP	.CQM	9K	MICROPAS 1.0 - A Microcomputer
S137.02	MP-CNTRL	.SYS	1K	Program for Building Design
S137.03	MP-EDIT	.CQM	18K	Analysis. Can estimate the
S137.04	MP-FORM	.CQM	10K	performance of conventional
S137.05	MP-GRAPH	.CQM	9K	residential buildings as well
S137.06	MP-GRAPH	.SIM	1K	as buildings incorporating
S137.07	MP-INPUT	.CQM	16K	passive solar and natural
S137.08	MP-INPUT	.DE1	1K	cooling features. Simulates
S137.09	MP-INPUT	.DE2	1K	a full year in 20 minutes.
S137.10	MP-INPUT	.DE3	1K	Requires MICROSOFT BRUN.COM.
S137.11	MP-INPUT	.DE4	2K	
S137.12	MP-INPUT	.DE5	1K	
S137.13	MP-INPUT	.DE6	1K	
S137.14	MP-INPUT	.DE7	1K	
S137.15	MP-INPUT	.DE8	1K	
S137.16	MP-INPUT	.ED1	3K	
S137.17	MP-INPUT	.ED2	1K	
S137.18	MP-INPUT	.ED3	1K	
S137.19	MP-INPUT	.ED4	3K	
S137.20	MP-INPUT	.ED5	1K	
S137.21	MP-INPUT	.ED6	1K	
S137.22	MP-INPUT	.ED7	4K	
S137.23	MP-INPUT	.ED8	1K	
S137.24	MP-INSTL	.DE1	1K	
S137.25	MP-INSTL	.ED1	4K	
S137.26	MP-INSTL	.SYS	1K	
S137.27	MP-MENU	.CQM	15K	
S137.28	MP-OPTIM	.CQM	17K	
S137.29	MP-OPTIM	.INP	1K	
S137.30	MP-OUTP	.SI1	1K	
S137.31	MP-OUTP	.SI2	2K	
S137.32	MP-OUTP	.SI3	4K	
S137.33	MP-SIMUL	.CQM	20K	
S137.34	MP-SIMUL	.IN1	2K	
S137.35	MP-SIMUL	.IN2	0K	
S137.36	MP-SUMRY	.CQM	16K	
S137.37	MP-TABLE	.CQM	17K	
S137.38	MP-WEATH	.CQM	18K	
S137.39	MP-WEATH	.INP	1K	
S137.40	MPINTRO	.DQC	5K	

S138. BLDG ENERGY DESIGN ANALYSIS-Calif Energy Comm Vol 2 of 2
S138.00 -CATALOG.138 cont of SIG/M Vol 138 rel Sept 7, 1983
S138.01 CZ .LBR 174K Weather data for vol 137
S138.02 MP-DEMO .LBR 34K demo program - set for Drive B

S139. Vol 139 MODEM UPDATE - MODEM 712
S139.00 -CATALOG.139 cont of SIG/M Volume 139 rel Oct 7, 1983
S139.01 MDM712 .IQF 4K Latest version of MDM7xx
S139.02 MDM712 .LBR 204K /
S139.03 MDM712 .TXT 3K /
S139.04 MDM712 .UQD 4K /
S139.05 UN .COM 5K Recovers Basic-80 programs
S139.06 UN-PROT .BAS 2K Fix for Apple for UN.COM

S140. Volume 140 Cross Assemblers and Misc. Utilities
S140.00 -CATALOG.140 cont of SIG/M Vol 140 rel October 7, 1983
S140.01 68KASM .FQR 42K 68000 Cross assembler from Dr. Dobbs
S140.02 68KASM .MQC 7K /
S140.03 CPU .ASM 4K Faster BDSC for 8085
S140.04 SPEEDUP .C 7K /
S140.05 ERROR .FOR 2K Fortran-80 command switches & error codes
S140.06 EXORCOPY.C 12K MOTOROLA mdos to CP/M data exchange utility
S140.07 FILENAME.FQR 2K Fortran filename parser (German comments)
S140.08 M6805 .LIB 8K Macro Lib. of MOTOROLA MC6805 opcodes
S140.09 REMAKE .PLI 5K Compiler manager

S140.10	OPCODES	.	2K	MOTOROLA 6800 cross assembler
S140.11	EXBUG3	.SYM	1K	/
S140.11	SEG1X68	.C	17K	/
S140.12	SEG1X68	.OVL	6K	/
S140.13	SEG2X68	.C	10K	/
S140.14	SEG2X68	.OVL	5K	/
S140.17	X68	.C2	17K	/
S140.18	X68	.H	5K	/
S140.19	X68	.OBJ	15K	/
S140.15	SIMLT	.FQR	8K	Solves simultaneous equations in fortran
S140.20	XTCPM141	.AQM	26K	Method to extend CP/M 2.2 system
S140.21	XTCPM141	.DQC	2K	/
S140.22	Z80DISK	.DOC	4K	Z80 Disk diagnostic, Dr. Dobbs April 1981
S140.23	Z80DISK	.MAC	23K	/
S140.24	Z80DISK	.OBJ	3K	/

S141.	Vol 141 Kaypro, Osborne & Big Board Programs			
S141.00	-CATALOG.141		cont	of SIG/M Vol 141 rel October 7, 1983
S141.01	BBDRIVER.ZQD	44K		IOS driver for Ferguson Big Board SBC
S141.02	BBMODS .DQC	7K		Double Density and other mods for Big Board
S141.03	BBSYSTEM.ZQD	42K		Modified monitor ROM for Big Board
S141.04	BGMEMTST.AQM	2K		Background memory test, Lifelines May 1981
S141.05	DISPPROM.BB	6K		Big Board Character Generator ROM contents
S141.06	KAYMODEM.DOC	1K		SMODEM37 set up for Kaypro 2
S141.07	KAYMODEM.OBJ	11K		/
S141.08	KPROMDM7.DOC	2K		Documentation on MODEM7 for Kaypro 2
S141.09	KPROTERM.TXT	2K		Information on Kaypro 2 terminal control
S141.10	MOD765BB.ASM	64K		MODEM765 for Big Board
S141.11	MOD765BB.OBJ	10K		/
S141.12	OSBDUMB .DOC	2K		Dumb terminal program for Osborne 1
S141.13	OSBDUMB .MAC	10K		/
S141.14	OSBDUMB .OBJ	2K		/
S141.15	OSBMBOOT.ASM	8K		MBOOT31A for Osborne 1
S141.16	OSBMBOOT.DOC	1K		/
S141.17	OSBORNE .Z80	1K		Pip patch for Osborne 1
S141.18	OSD .DOC	2K		Sort directory program (SD-42) for
S141.19	OSD .OBJ	2K		Osborne 1
S141.20	OSTRICKS.DOC	6K		Various hints on Osborne 1 USART

S142.	Vol 142 Games from Software Tools of Australia-Extracts			
S142.00	-CATALOG.142		cont	of SIG/M Volume 142 rel Oct 7, 1983
S142.01	ALMAZAR .BAS	2K		Adventure game from Micro-80
S142.02	ALMAZAR .DOC	2K		/
S142.03	SFA/SAV .O	1K		/
S142.04	SFALDES .O	9K		/
S142.05	SFALDES .BAS	7K		/
S142.06	SFAMAIN .BAS	15K		/
S142.07	SFAMOVE .O	2K		/
S142.08	SFAMOVE .BAS	2K		/
S142.09	SFAOBDES.O	2K		/
S142.10	SFAOBDES.BAS	2K		/
S142.11	SFARESP .O	13K		/
S142.12	SFARESP .BAS	5K		/
S142.13	SFAVOC .O	1K		/
S142.14	SFAVOC .BAS	1K		/
S142.15	AUSOPOLY.BAS	28K		English/Australian of CPMUG game
S142.16	BACARRAT.BAS	4K		Osborne MBASIC game
S142.17	BANNER .Z80	19K		Prints banner to console & printer
S142.18	BLAKJACK.BAS	12K		Osborne MBASIC game
S142.19	FOGASM .ASM	1K		Calculates number of years of schooling
S142.20	FOGINDEX.PLI	3K		required to read a document
S142.21	GOLDMINE.BAS	8K		MBASIC game
S142.22	KPRO2-SW.BAS	10K		Spacewar game for Kaypro 2, MBASIC
S142.23	MAKEADV .BQS	6K		Make your own Adventure
S142.24	SAMPADV .AQV	8K		/
S142.25	SAMPADV .MQC	9K		/

S142.26	OZDOT	.BAS	8K	Osborne version of DOTS
S142.27	PACMAN	.ASM	4K	PACMAN game for cursor addressable
S142.28	PACMAN	.DAT	4K	terminals
S142.29	PACMAN	.OBJ	16K	/
S142.30	SPACEWAR	.BAS	11K	Osborne MBASIC game
S142.31	YKW1	.BAS	2K	"My other computer is an IBM" for Osborne
S142.32	YKW2	.BAS	2K	"My other computer is an IBM" for ADM-31

S143.	Vol 143 Packet Radio, Printer Utilities, Software Tools of Australia [e.			
S143.00	-CATALOG.143			cont of SIG/M Volume 143 rel Oct 7, 1983
S143.01	ATTEN	.BAS	3K	Electronic attenuator design utility
S143.02	DEPREC	.BAS	3K	Depreciation schedult
S143.03	GENINDEX	.OBJ	20K	Generates index for WordStar text file
S143.04	GENINDEX	.PAS	12K	/
S143.05	INDEX	.PAS	1K	/
S143.06	INDEX101	.DQC	5K	WordStar indexing utility
S143.07	INDEX101	.OBJ	11K	/
S143.08	LPR	.C	9K	Print program for MX80, wildcard names
S143.09	LPR	.OBJ	14K	& clock
S143.10	DGPTR	.PQS	7K	Packet Radio Software for CP/M Systems
S143.11	PACKET	.AQM	25K	/
S143.12	PACKET	.DOC	6K	/
S143.13	PACKET	.RPT	12K	/
S143.14	PACKET-D	.DOC	3K	/
S143.15	PACKET2	.TXT	14K	/
S143.16	PACKETCF	.TQT	15K	/
S143.17	PRINTER	.INF	2K	Control codes for EPSON MX80 printer
S143.18	RDRPUN	.MAC	1K	FORTTRAN routine to access CP/M RDR and PUN
S143.19	RESXIOS	.AQM	13K	Example of MP/M 2 Resident XIOS
S143.20	SETMX	.AQM	4K	Epson MX80 printer setup utility
S143.21	SETMX	.DOC	2K	/
S143.22	SETOK	.ASM	6K	Okidata printer setup utility
S143.23	SETOK	.DOC	2K	/
S143.24	VIDEO	.INF	3K	Video terminal codes
S143.25	VIDEONW	.INF	13K	/

S144.	Vol 144 Misc Programs-Software Tools of Australia and others			
S144.00	-CATALOG.144			cont of SIG/M Volume 144 rel October 7, 1983
S144.01	GRAPH	.REL	1K	Graph subroutines for Epson MX80
S144.02	GRAPH	.ZQO	11K	/
S144.03	IZ	.CQM	22K	Intel to Zilog mneumonic source
S144.04	IZ	.DQC	11K	code translator
S144.05	IZ	.DQT	7K	/
S144.07	IZ	.PQS	14K	/
S144.07	MAKEFILE	.ASM	6K	Builds a dummy file with marked blocks
S144.08	MAKEFILE	.COM	2K	/
S144.09	NESTING	.C	1K	Notes on nesting in BDS C from version
S144.10	NESTING	.NOT	3K	1.45a
S144.11	PMDLALDS	.FRG	13K	Autodialing with PMMI
S144.12	RENAME	.C	8K	Wildcard rename utility
S144.13	RENAME	.DOC	4K	/
S144.14	RENAME	.OBJ	10K	/
S144.15	BDOS	.H	1K	/
S144.16	SETBOOT	.MAC	19K	Osborne 1 boot
S144.17	SQ	.CQ	8K	Update to squeeze, wildcards and other
S144.18	SQ	.H	2K	features
S144.19	SQ	.OBJ	17K	/
S144.20	SQ15A	.DOC	2K	/
S144.21	SQ15A	.SUB	1K	/
S144.22	SQCOM	.H	1K	/
S144.23	IO	.C	1K	/
S144.24	LONG	.CQ	2K	/
S144.25	TR1	.CQ	2K	/
S144.26	TR2	.CQ	8K	/
S144.27	UCSD2CPM	.C	16K	Text transfer UCSD formatted disk to CP/M
S144.28	UCSDIR	.C	10K	list directory of UCSD Pascal disk

S145. Vol 145 VFILER - SCREEN ORIENTED FILE MANIPULATION UTILITY
 S145.00 -CATALOG.145 cont of SIG/M Volume 145 rel October 7, 1983
 S145.01 BISHOW-2.A86 9K Bidirectional show - a paging program
 S145.02 BISHOW-2.ASM 10K in both CP/M 80 and CP/M 86
 S145.03 BISHOW-2.CMD 2K /
 S145.04 BISHOW-2.COM 1K /
 S145.05 SAVEMUNY.DOC 2K Tips on adapting Heath programs
 S145.06 SD-48B .ASM 66K SD with HELP and WordStar fix
 S145.07 SD-48B .COM 4K /
 S145.08 SD1 .A86 16K SD for CP/M 86 with technical adjustments
 S145.09 SD1 .CMD 3K /
 S145.10 VFILER .ASM 84K A screen oriented file manipulation
 S145.11 VFILER .DOC 2K utility adjusted for your terminal.
 S145.12 VFILER8 .COM 8K Move arrow through directory for action.
 S145.13 VFILERSC.ASM 3K Integrates with ZCPR2 or stands alone.
 S145.14 VFILERZ .COM 8K /

S146. Volume 146 CP/M 86 Translations of CP/M 80 Favorites
 S146.00 -CATALOG.146 contents of SIG/M Vol 146 released Nov 4, 1983
 S146.01 FIND20B .A86 Locates any string in any part of
 S146.02 FIND20B .CMD a file.
 S146.03 PRINT10B.A86 Pages printer output with optional
 S146.04 PRINT10B.CMD header.
 S146.05 SD-48B .A86 Sorted directory utility with help
 S146.06 SD-48B .CMD file.
 S146.07 VFILER11.A86 Rich Conn's screen oriented file manipu-
 S146.08 VFILER11.CMD lation utility translated for CP/M 86
 S146.09 WHATSNEW.A86 Tells what has been added to or deleted
 S146.10 WHATSNEW.CMD from disk.

S147. Volume 147 CP/M 86, Time and an Apple Dumb Terminal
 S147.00 -CATALOG.147 contents of SIG/M Vol 147 rel Nov 4, 1983
 S147.01 ARCHIVE .A86 CP/M 86 translation of Archive
 S147.02 ARCHIVE .CMD /
 S147.03 CALENDR5.BAS Calculate times,
 S147.04 CRCK-51 .A86 CP/M 86 version of checksum test
 S147.05 CRCK-51 .CMD /
 S147.06 DUMBA3 .ASM Dumb terminal program for Apple ///
 S147.07 DUMBA3 .DOC /
 S147.08 ERAQ .A86 CP/M 86 erase query program
 S147.09 ERAQ .CMD /
 S147.10 FILE-EXT.A86 CP/M 86 file-extension program
 S147.11 FILE-EXT.CMD /
 S147.12 FINDBAD .A86 CP/M 86 disk test program
 S147.13 FINDBAD .CMD /
 S147.14 MUCHTEXT.A86 CP/M 86 wordcount
 S147.15 MUCHTEXT.CMD 1K /
 S147.16 PITCH .A86 3K Adjusts font on NEC 8023
 S147.17 PITCH .CMD 1K /
 S147.18 RDTIME .DOC 1K Series of time and date programs for
 S147.19 RDTIME80.LIB 2K Compupro clock with adjustments for
 S147.20 RDTIME86.LIB 2K other clock boards. Includes program
 S147.21 SETTIME .ASM 5K to patch Wordmaster so as to update
 S147.22 SETTIME .COM 1K file with date and time.
 S147.23 WM-PATCH.ASM 12K /
 S147.24 ROMAN80A.ASM 6K Prints dates in Roman numerals
 S147.25 ROMAN80A.COM 1K /
 S147.26 RSJ .BAS 4K Series of time and date programs for
 S147.27 T .ASM 5K the Optronics Technology
 S147.28 T .COM 1K TimeEPROMmer Board. Adjustable for
 S147.29 TB .ASM 5K other clock boards.
 S147.30 TB .COM 1K /
 S147.31 TE .ASM 3K /
 S147.32 TE .COM 1K /

S147.33 UNERA12 .ASM 12K Corrects bug in CP/M 80 version of
S147.34 UNERA12 .COM 1K UNERASE.

S148. -CATALOG.148 contents of SIG/M Volume 148 rel Nov 4, 1983
S148.01 BIOSIN .PAS 9K Calendar program
S148.02 ERASE .COM 8K 'User friendly' erase
S148.03 ERASE .PAS 6K /
S148.04 INITLISP. 1K Updated Lisp in Pascal
S148.05 INITLISP.STB 1K /
S148.06 LISP .COM 27K /
S148.07 LISP .DOC 14K /
S148.08 LISP .PAS 38K /
S148.09 PRIME .COM 20K Illustration of public-key
S148.10 PRIME .DOC 4K cryptography
S148.11 PRIME .PAS 3K /
S148.12 PRIME .TXT 3K /
S148.13 PRIME1 .PAS 3K /
S148.14 RNDKNUTH.LIB 7K Random numbers library file
S148.15 SIGNS .DOC 4K Formatting program for both
S148.16 SIGNS .PAS 6K 80 and 132 col printers
S148.17 SIGNS .TXT 4K /
S148.18 SIGNS11 .COM 10K /
S148.19 SIGNS6 .COM 10K /
S148.20 FONT .DAT 1K /
S148.21 STUDENT2.COM 19K Updated Student program
S148.22 STUDENT2.PAS 23K /
S148.23 TUTOR .PRN 9K /

S149. VOLUME 149 MODEM 7 for Zenith 100, UNIX-LU
S149.00 -CATALOG.149 cont of SIG/M Vol 149 rel November 4, 1983
S149.01 C86 .LBR 114K 8086 version of Small C
S149.05 C86 .DOC 1K /
S149.02 MODEM7-Z.ASM 48K MODEM 7 for Zenith 100
S149.03 MODEM7-Z.COM 7K /
S149.04 MODEM7-Z.DOC 7K /
S149.06 FROMXMOD.FOR 3K XMODEM in Fortran for the VAX
S149.07 TOXMOD .FOR 3K /
S149.08 XMODEM .FOR 21K /
S149.09 XMODMFOR.DOC 6K /
S149.10 UNIX-LU .LBR 17K Program similar to LU written in C
S149.11 UNIX-LU .DOC 3K /

S150. Volume 150 Citadel - A Bulletin Board in C Z8000 Forth
S150.00 -CATALOG.150 cont of SIG/M Vol 150 rel November 4, 1983
S150.01 211CONFIG.C 12K CITADEL - A Bulletin Board in C
S150.02 211CTDL .C 20K /
S150.03 211CTDL .H 18K /
S150.04 211LINK .SUB 1K /
S150.05 211LOG .C 17K /
S150.06 211MISC .C 10K /
S150.07 211MODEM.C 26K /
S150.08 211MSG .C 32K /
S150.09 211PROD .SUB 1K /
S150.10 211ROOMA.C 20K /
S150.11 211ROOMB.C 19K /
S150.12 Z8001 .ZSC 30K Z8000 Forth
S150.13 Z8KFORTH.DOC 6K /

S151. Volume 151 68000 FORTH, DEC Rainbow Utilities and Modem
S151.00 -CATALOG.151 cont of SIG/M Volume 151 rel November 4, 1983
S151.01 68KFORTH.LBR 56K Forth for 68000
S151.02 DSK7-RB2.AQM 45K Disk 7 for DEC Rainbow
S151.03 DSK7-RB2.INF 1K /
S151.04 DSK7-RB2.OBJ 6K /
S151.05 FCVRNBOW.OBJ 5K DEC Rainbow utilities
S151.06 FMT-RB13.OBJ 3K /

S151.07	FMTNRBOW.OBJ	3K	/
S151.08	MBOOT-RB.A86	7K	/
S151.09	MBOOT-RB.SUB	1K	/
S151.10	MODEM-RB.LBR	89K	MODEM for DEC Rainbow

S152.	Volume 152	Disk Drive Tester, Miscellaneous Updates
S152.01	APLCAT94.LBR	39K Apple CAT II modem
S152.02	DDD11 .ASM	47K Tests disk drives with 1793 controller and
S152.03	DDD11 .DOC	4K Dysan test disk - without oscilloscope
S152.04	DU-V86 .COM	8K Updated disk utility
S152.05	DU-V86 .DOC	13K /
S152.06	LADDER .MF4	5K Analysis of ladder network for gain
S152.07	LADDER .OBJ	12K and phase.
S152.08	LDIR211 .LBR	16K Updates LDIR
S152.09	NSWP .COM	7K Big and little versions of WASH
S152.10	SWEEP40 .LBR	42K /
S152.11	TYPE1 .COM	2K Wildcard type - unsqueezes too
S152.12	TYPE1 .DOC	3K /
S152.13	USQ .COM	2K Wildcard unsqueeze
S152.14	USQ .DOC	3K /
S152.15	WOOF .COM	16K Plots frequency response of loudspeaker
S152.16	WOOF .FOR	7K enclosure

S153.	Volume 153	XLISP for CP/M 86
S153.01	CC .SUB	1K XLISP by David Betz as released on
S153.02	CCLISP .SUB	1K SIG/M volume 118 modified for CP/M
S153.03	CTYPE .H	1K 86 by Harry Van Tassell.
S153.04	LINKLISP.SUB	1K !
S153.05	PT .LSP	4K !
S153.06	SETJMP .H	1K !
S153.07	STDIO .H	1K !
S153.08	T .LSP	4K !
S153.09	XLBIND .C	2K !
S153.10	XLDMEM .C	9K !
S153.11	XLEVAL .C	7K !
S153.12	XLPIO .C	5K !
S153.13	XLIO .C	2K !
S153.14	XLISP .C	2K !
S153.15	XLISP .CMD	41K !
S153.16	XLISP .DOC	29K !
S153.17	XLISP .H	6K !
S153.18	XLKMAP .C	7K /
S153.19	XLLIST .C	12K /
S153.20	XLMath .C	9K /
S153.21	XLOBJ .C	18K /
S153.22	XLPRIN .C	4K /
S153.23	XLREAD .C	8K /
S153.24	XLSTR .C	6K /
S153.25	XLSUBR .C	12K /

S154.	Volume 154	Forth-83
S154.01	F83 .COM	24K Compiled Forth with editor, assembler, etc
S154.02	F83 .DOC	9K Documentation file
S154.03	CPU8080 .BQK	9K Assembler, debugging & multitasking source
S154.04	DIRECT .BQK	4K Support screens for direct BIOS I/O
S154.05	EXTEND80.BQK	9K Extension screens
S154.06	KERNEL .HEX	33K 47 82 Hex file for F83
S154.07	META80 .BQK	73K CF A9 Meta source & F83 screens
S154.08	UTILITY .BQK	36K FF 46 CP/M interface, editor & multitasking

S155.	Volume 155	dBASEII (TM) Programs and Information
		including Atlanta Data Base Users Soc. Vol I
S155.01	ADBUG .CMD	5K Atlanta Data Base Users Group
S155.02	ADBUG/1 .DBF	1K Letter Mailing and Member Data
S155.03	ADD/REC .CMD	6K Records System
S155.04	FORM/LTR.CMD	4K /

S155.05	FORM/PRT.CMD	7K	/	
S155.06	LABELPRT.CMD	4K	/	
S155.07	LETTER00.CMD	4K	/	
S155.08	LIST/PRT.CMD	5K	/	
S155.09	MAIL/LAB.CMD	3K	/	
S155.10	XBALANCE.CMD	5K		Atlanta Data Base Users
S155.11	XCANCEL .CMD	4K		Society Banking System
S155.12	XDEPCANG.CMD	3K	/	
S155.13	XDEPOSIT.CMD	3K	/	
S155.14	XINDEX .CMD	4K	/	
S155.15	XMENU .CMD	3K	/	
S155.16	XMODCKS .CMD	6K	/	
S155.17	XMODDEP .CMD	3K	/	
S155.18	XNEWENTR.CMD	4K	/	
S155.19	XPRNT .SUB	1K	/	
S155.20	XPRNTCK .CMD	8K	/	
S155.21	XSYSTEM .DOC	6K	/	
S155.22	ABUSBANK.DBF	1K	/	
S155.23	CKNUM .NDX	1K	/	
S155.24	OFFBASE .CMD	2K		Atlanta Data Base Users
S155.25	SAM001 .CMD	4K		Society Sample Periodical
S155.26	SAM001 .DOC	23K		Tracking Data Base System
S155.27	SAM002 .CMD	4K	/	
S155.28	SAM002 .DOC	25K	/	
S155.29	SAMAKEY .NDX	2K	/	
S155.30	SAMFILE .DBF	2K	/	
S155.31	SAMMENU .CMD	3K	/	
S155.32	SAMMENU .DOC	15K	/	
S155.33	SAMSCR1 .CMD	3K	/	
S155.34	SAMSCR1 .CMD	1K	/	
S155.35	UPDATE .129	3K		Updating files and information
S155.36	MAIN .INV	4K		dBASEII version 2.4 and
S155.37	MAIN .SIG	6K		SIG/M Vol. 129
S155.38	MENU .SIG	2K	/	
S155.39	SIG/M .CMD	10K	/	
S155.40	DBOX .ART	4K		Dual Data Bases and dBASEII
S155.41	VALDATE .TST	3K		dBASE date validation program

S156. Volume 156		Miscellaneous Z80 and 8080 Programs		
S156.01	1771 .LBR	62K		Extended SD storage for 1771 systems
S156.02	FIND40 .LBR	14K		Updated FIND
S156.03	LU301 .COM	19K		Updated library utility
S156.04	LU301 .TXT	2K	/	
S156.05	LUX12B .LBR	87K		Z80 utility for library files
S156.06	M712TRS .AQM	8K		Modem for TRS-80 Models 2, 12 & 16
S156.07	SQ-17 .LBR	24K		Updated squeeze program
S156.08	XM77TRS .AQM	6K		Xmodem for TRS-80 Models 2, 12 & 16

S157. Volume 157		CP/M 86 Utility and Modem Routines, Atari Program		
S157.01	BDOS .A86	1K		CP/M-86 Relocatable Utility
S157.02	BDOS .OBJ	1K		Routines (RASM86)
S157.03	CATH .A86	1K	/	
S157.04	CATH .OBJ	1K	/	
S157.05	CLINE .A86	1K	/	
S157.06	CLINE .OBJ	1K	/	
S157.07	EN .A86	1K	/	
S157.08	EN .OBJ	1K	/	
S157.09	FCBFN .A86	2K		
S157.10	FCBFN .OBJ	1K	/	
S157.11	FSCAN .A86	5K	/	
S157.12	FSCAN .OBJ	1K	/	
S157.13	INITFCB .A86	1K	/	
S157.14	INITFCB .OBJ	1K	/	
S157.15	UPCASE .A86	1K	/	
S157.16	UPCASE .OBJ	1K	/	

S157.17	Z80-EMUL.LBR	18K	Runs 8080 on 8086 -if you can make it work!
S157.18	MODEM86 .AQ6	27K	CP/M-86 version of Modem 7
S157.19	MODEMAPC.CMD	19K	Modem for APC
S157.20	MODEMGB .CMD	19K	Modem-Godbout 8/16 with Interfacer 3, PMMI
S157.21	SETTIME .A86	6K	Sets time on CompuPro Board for CP/M
S157.22	SETTIME .CMD	2K	or MP/M 86
S157.23	SCRUB .CMD	14K	8086 program to clean up WS
S157.24	SCRUB .CQ	3K	files
S157.25	ATARIBUS.LBR	47K	How to attach Atari to your CP/M machine
S157.26	LTYPE14 .LBR	15K	Types squeezed and unsqueezed .LBR files

S158. Volume 158 YAMC86 - (CPM/86 Version of Yet Another Modem)
Compiles with Computer Innovations C86

S158.01	YAM1 .C	13K	YAM main()
S158.02	YAM10 .C	6K	utilities and unsqueeze
S158.03	YAM2 .C	11K	Christenson protocol handler
S158.04	YAM3 .C	15K	conversation with data capture
S158.05	YAM4 .C	7K	CIS 'a' protocol
S158.06	YAM5PMMI.C	10K	for PMMI mm-103
S158.07	YAM5SMI4.C	9K	for Smartmodem with Interfacer 3/4
S158.08	YAM7 .C	22K	CP/M 86 needs
S158.09	YAMC86 .H	10K	defines globals
S158.10	YAMHELP .T	7K	online help file
S158.11	YAMIMPL .LQT	22K	how to install YAM
S158.12	YAMMAN .LQT	33K	how to use YAM
S158.13	YAMPMMI .H	4K	yamsys.h for pmmi
S158.14	YAMSMI4 .H	5K	yamsys.h for Smartmodem with IF 3/4
S158.15	MAKE1YAM.SUB	1K	compile and link one file
S158.16	MAKEYAM .SUB	1K	compile and link all files
S158.17	PHONES .T	6K	telephone number list
S158.18	CRCK .A86	3K	CRC for CP/M 86 with update
S158.19	UPDCRC .A86	3K	/
S158.20	USQ .CMD	18K	wildcard unsqueeze for CP/M 86

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S159. Volume 159 TINCMP86 and META for CP/M 86
CP/M 86 Macro Processor & Compiler Compiler

S159.01	COMPILE .SUB	1K	TINCMP macro processor
S159.02	CONSID .OBJ	1K	and META compiler compiler.
S159.03	FCBFN .OBJ	1K	For full documentation see
S159.04	FSCAN .OBJ	1K	Dr. Dobbs July 1981 (TINCMP)
S159.05	IOPACK .OBJ	2K	and August 1981 (META4)
S159.06	M4 .M4	8K	
S159.07	META .A86	43K	
S159.08	META .CMD	30K	
S159.09	META .OBJ	17K	
S159.10	META4 .MET	5K	
S159.11	METAI1 .MT4	1K	
S159.12	METATERP.PGN	23K	
S159.13	TEST1 .A86	1K	
S159.14	TEST2 .CMD	4K	
S159.15	TEST2 .PGN	2K	
S159.16	TEST3 .CMD	4K	
S159.17	TEST3 .PGN	3K	
S159.18	TEST4 .CMD	4K	
S159.19	TEST4 .PGN	3K	
S159.20	TEST5 .CMD	5K	
S159.21	TEST5 .PGN	2K	
S159.22	TEST6 .CMD	3K	
S159.23	TEST6 .PGN	2K	
S159.24	TINCMP .A86	20K	
S159.25	TINCMP86.CMD	18K	
S159.26	TINCMP86.PGN	12K	
S159.27	TINMACR .TIN	7K	

S160. Volume 160 CROSS REFERENCE, ERASE, APPLE II FROM TORONTO RCP/M
TIME STAMP PROGRAM b A.I. Lark

S160.01	APLVIDEX	.LBR	13K	speeds console on Apple][with Videx card
S160.02	SPRITE	.LBR	16K	for TI Sprite Chip TMS9918 on Apple][
S160.03	STAMP	.LBR	95K	time Stamp your files
S160.04	XERA	.LBR	11K	extended erase
S160.05	XREF36	.LBR	62K	create cross reference from .PRN files

S161. Volume 161

S161.01	BMBUG	.LBR	51K	Fixes Business Master Accounting Pack.
S161.02	CTYPE	.DQC	2K	Indicates control characters in
S161.03	CTYPE	.OQJ	1K	file.
S161.04	DIAL11	.LBR	35K	Z80 autodialer - OSB. & Smartmodem
S161.05	DU-TUTOR	.AQT	24K	DU tutorial
S161.06	MXSET12	.MAC	5K	Control codes for MX-80
S161.07	MXSET12	.OBJ	3K	/
S161.08	OSDDAUTO	.LBR	4K	Autoload Osborne I DD
S161.09	OSFSTMOD	.TQT	2K	Info on FAST and Osborne
S161.10	OSMENU	.LBR	7K	Makes Osborne I DD 'turnkey system'
S161.11	OSUTL12	.LBR	38K	Osborne disk file program
S161.12	OZTOKPRO	.AQM	5K	Allows OSB to read Kaypro DD
S161.13	QWIKKEY	.DOC	4K	Allows you to replace keys by
S161.14	QWIKKEY	.OBJ	2K	character strings
S161.15	TYPER-2	.LBR	27K	Turns computer into typewriter

S162. Volume 162

			MISC. PROGRAMS FROM THE TORONTO RCP/M AND THE THOUSAND OAKS BULLETIN BOARD	
S162.01	BOUNDED	.CCP	1K	bounder buffer problem, in ccp
S162.02	CCP	.001	3K	init overlay
S162.03	CCP	.002	22K	compiler overlay
S162.04	CCP	.003	15K	interpreter
S162.05	CCP	.COM	8K	root .com file
S162.06	CCP	.DOC	6K	read first
S162.07	CCP	.ERL	2K	
S162.08	CCP	.PAS	7K	Root source file
S162.09	CCP	.SYM	2K	
S162.10	COMPILE	.ERL	23K	
S162.11	COMPILE	.PAS	36K	compiler iverlay source
S162.12	DINPHIL	.CCP	2K	dining philosophers problem
S162.13	GLOBAL	.INC	2K	global declarations - include file
S162.14	INIT	.ERL	3K	
S162.15	INIT	.PAS	4K	init overlay source
S162.16	INTERPRE	.ERL	10K	
S162.17	INTERPRE	.PAS	14K	interpreter source
S162.18	MAKECCP	.SUB	1K	submit file - note synonyms
S162.19	PLO	.COM	26K	Wirth PL/O compiler
S162.20	PLO	.ERL	13K	
S162.21	PLO	.PAS	15K	
S162.22	RECREAD	.	1K	sample PL/O program
S162.23	TEST	.CCP	1K	variable access test
S162.24	TRIO	.CCP	1K	3 processes writing to screen

SIG/M Volume 163

S163.	-CATALOG	.163		CBASIC USERS GROUP VOLUMES 1 & 2
S163.00	ABSTRACT	.163		contents of SIG/M Volume 163 rel Mar 2,84
S163.01	BIBBLD	.BAS	6K	details of programs on disk
S163.02	BIBLIO	.BAS	3K	Bibliographic search database
S163.03	BIBSR2	.BAS	7K	which tells the degree to which
S163.04	BIBSRCH	.BAS	5K	various articles meet your re-
S163.05	CMPRBIB	.BAS	2K	quirements. See BYTE, March 1983
S163.06	PARMS	.BAS	4K	/
S163.07	VOCBLD	.BAS	6K	/
S163.08	VOCLST	.BAS	2K	/
S163.09	CBAS	.TST	1K	Test MEMTEST function in CBASIC
S163.10	CBASTEST	.ASM	1K	/
S163.11	TEST	.BAS	1K	/
S163.12	CLOSE	.COM	11K	Program to capture console I/O

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S163.13	CONS	.ASM	1K	/
S163.14	CONS	.COM	1K	/
S163.15	CONSGRAB	.ASM	1K	/
S163.16	CREATE	.BAS	8K	Creates CBASIC data file
S163.17	DIR	.BAS	11K	Call directory in CBASIC
S163.18	DIRECTIO	.BAS	1K	Direct console I/O
S163.19	DOW	.BAS	1K	Day of Week
S163.20	FINDCTL	.BAS	1K	Gives track and sector info
S163.21	GNMENU	.BAS	5K	Skeleton database for use with
S163.22	GNMENU	.LIN	2K	any straight and easy applica-
S163.23	GNMENU	.XRF	4K	tion
S163.24	GNREPORT	.BAS	4K	/
S163.25	GNREPORT	.LIN	2K	/
S163.26	GNREPORT	.XRF	4K	/
S163.27	GNSCREEN	.BAS	5K	/
S163.28	GNSCREEN	.LIN	2K	/
S163.29	GNSCREEN	.XRF	3K	/
S163.30	COMPANY	.DA	1K	/
S163.31	SCREEN	.FIL	1K	/
S163.32	GRABCOM	.BAS	1K	Demo of GET command in CBASIC
S163.33	NAD	.FIL	2K	Name and Address database
S163.34	NADMAIL	.BAS	4K	with mailing labels
S163.35	NADMENU	.BAS	8K	/
S163.36	NADREPT	.BAS	5K	/
S163.37	NADSCRN	.BAS	6K	/
S163.38	POKEHI	.BAS	1K	Deprotects MBASIC programs
S163.39	PRBLM001	.TXT	2K	Common statement CBASIC bug
S163.40	RBBSINST	.DOC	39K	How to use RBBS
S163.41	SLEUTH	.BAS	5K	XREF program
S163.42	X	.COM	3K	Directory program

SIG/M Vol 164 REC - Regular Expression Compiler (Vol 1 of 4) CP/M 80/86

S164.	-CATALOG	.164	cont of SIG/M Vol 164 rel Mar 2, 1984	
S164.01	FXT80	.MAC	29K	main program, I/O, symbols
S164.02	FXT86	.ASM	22K	/
S164.03	MKV80	.MAC	31K	workspace operators
S164.04	MKV86	.ASM	20K	/
S164.05	PDL80	.MAC	35K	pushdown list operators
S164.06	PDL86	.ASM	23K	/
S164.07	REC80	.MAC	40K	compiler, essential subroutines
S164.08	REC86	.ASM	29K	/
S164.09	RECLIB	.MAC	8K	linker to other 8080 programs

SIG/M Vol 165 REC - Regular Expression Compiler (Vol 2 of 4) CP/M 80/ 86
contents of SIG/M Volume 165 rel Mar 2, 84

S165.	-CATALOG	.165	contents of SIG/M Volume 165 rel Mar 2, 84	
S165.01	BINCOM	.ASM	7K	compares two binary files
S165.02	BINCOM	.ASN	8K	/
S165.03	BINCOM	.CMD	2K	/
S165.04	BINCOM	.COM	2K	/
S165.05	DUMMP	.ASM	4K	hex & ASCII file dump
S165.06	DUMMP	.ASN	6K	/
S165.07	DUMMP	.CMD	2K	/
S165.08	DUMMP	.COM	1K	/
S165.09	FYNDE	.ASM	12K	locate regular expressions
S165.10	FYNDE	.ASN	12K	/
S165.11	FYNDE	.CMD	3K	/
S165.12	FYNDE	.COM	3K	/
S165.13	GENBIM	.ASM	6K	generate bitmap from .COM file
S165.14	GENBIM	.COM	1K	/
S165.15	LOHD	.ASM	11K	improved .HEX to .COM mapping
S165.16	LOHD	.COM	2K	/
S165.17	NDDT	.ASM	57K	DDT with many new features
S165.18	NDDT	.COM	6K	/
S165.19	NDDT	.DOC	5K	/
S165.20	PAGREL	.ASM	1K	model relocater program
S165.21	PAGREL	.COM	1K	/

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S165.22	READREL	.ASM	15K	hexadecimal rendition of .REL
S165.23	READREL	.ASN	15K	/
S165.24	READREL	.CMD	3K	/
S165.25	READREL	.COM	2K	/
S165.26	STUTE	.ASM	16K	replacement in many files
S165.27	STUTE	.ASN	17K	/
S165.28	STUTE	.CMD	5K	/
S165.29	STUTE	.COM	3K	/

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SIG/M Vol 167 REC - Regular Expression Compiler (Vol 4 of 4) CP/M 80/ 86

S167	-CATALOG.167			cont of SIG/M Vol 167 rel Mar 2, 1984
S167.01	CARD	.REC	3K	trace printed circuit on video screen
S167.02	STD	.PCB	1K	78 data file for CARD.REC
S167.03	CNVRT	.REC	14K	compiler for language CNVRT
S167.04	COMMENT	.DOC	11K	general survey of this disk
S167.05	FILCOM	.CNV	4K	compare ASCII files, report difference
S167.06	FXT80	.DIF	1K	update to FXT80.MAC
S167.07	FXT86	.A86	23K	source file for FXT86
S167.08	FXT86	.DIF	2K	update to FXT86.ASM
S167.09	MKV80	.DIF	2K	update to MKV80.MAC
S167.10	MKV86	.A86	20K	source file for MKV86
S167.11	PDL80	.DIF	1K	update to PDL80.MAC
S167.12	PDL86	.A86	23K	source file for PDL86
S167.13	PDL86	.DIF	1K	update for PDL86.ASM
S167.14	REC80	.COM	5K	REC80 binary file
S167.15	REC86	.A86	30K	source file for REC86
S167.16	REC86	.CMD	5K	REC86 binary file
S167.17	REC86	.DIF	1K	update to REC86.ASM
S167.18	RECA86	.A86	1K	master file to assemble RECA86
S167.19	SORCIM	.CNV	3K	transform an ACT86 file to an ASM86 file
S167.20	UPDATE	.CNV	1K	update an old file
S167.21	VB1	.ASM	16K	control for SSM's VB1-B (or C) video board
S167.22	VB1	.MAC	11K	relocatable VB1.ASM
S167.23	VGR	.ASM	17K	control for Vector Graphics VGR board
S167.24	VGR	.MAC	14K	relocatable VGR.AMS
S167.25	VTI	.ASM	9K	control for Polymorphic VTI board
S167.26	VTI88	.ASM	15K	reversed sign bit for VTI.ASM

SIG-M Library -CATALOG Volume Number-167, 26 Files cataloged.

*also known as
Vol 34.8
for Vol. 167*

SIG/M Volume 168 Modem Updates (Volume 1 of 3) MDM727/COMM725

S168	-CATALOG.168			cont of SIG/M Vol 168 released April 6, 1984
S168.01	MDM727	.AQM	110K	Modem 727 .ASM file
S168.02	MDM727	.COM	19K	Modem 727 for use with overlays
S168.03	MDM727	.DQC	24K	Modem 727 documentation file
S168.04	M7FNK	.COM	3K	Function key documentation and
S168.05	M7FNK	.DQC	2K	.COM file
S168.06	M7LIB	.COM	2K	Telephone library file and
S168.07	M7LIB	.DQC	2K	documentation.
S168.08	M7NM-6	.AQM	5K	/
S168.09	M7GP-1	.AQM	7K	General purpose overlay
S168.10	M7PM-1	.AQM	6K	PMMI overlay
S168.11	M727RV	.AQM	14K	Racal-Vadic VA212PA overlay
S168.12	M7US-1	.AQM	10K	US Robotics S-100 overlay
S168.13	M7AP-1	.AQM	10K	Apple][Super Serial (see vol 170)

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SIG/M Vol 169 Modem Updates (Volume 2 of 3) MDM727 and COMM725

S169	-CATALOG.169			cont of SIG/M Vol 169 rel April 6, 1984
S169.01	M7AL-1	.AQM	8K	Altos Series J overlay
S169.02	M7DP-1	.AQM	7K	Datapoint 1560
S169.03	M7EP-1	.AQM	8K	Epson QX 10
S169.04	M7H8-1	.AQM	8K	Heath/Zenith H89
S169.05	M7HP-1	.AQM	8K	Hewlett Packard HP/25 series 100
S169.06	M7HZ-1	.AQM	8K	Heath/Zenith 100
S169.07	M7IN-1	.AQM	8K	Godbout Interfacer 3/4 or SS
S169.08	M7KP-1	.AQM	8K	Kaypro 2
S169.09	M7LO-1	.AQM	8K	Lobo Max 80

S169.10	M7MD-1	.AQM	7K	Morrow Micro Decision
S169.11	M7MM-1	.AQM	9K	Morrow Multi I/O
S169.12	M7NA-1	.AQM	7K	NorthStar Advantage
S169.13	M7NE-1	.AQM	7K	NEC PC-8001
S169.14	M7NH-1	.AQM	7K	NorthStar Horizon & HSIO-4
S169.15	M7NH-2	.AQM	7K	NorthStar Horizon all baud HSIO-4
S169.16	M7OA-1	.AQM	10K	Otrona Attache
S169.17	M7OS-1	.AQM	8K	Osborne
S169.18	M7OX-1	.AQM	9K	Osborne Executive
S169.19	M7P1-1	.AQM	11K	PCM Micromate 101
S169.20	M7PC-1	.AQM	9K	IBM PC with Baby Blue Z80
S169.21	M7R1-1	.AQM	8K	TRS-80 with Omikron Mapper
S169.22	M7R2-1	.AQM	8K	TRS-80 Model II, Pickles & Trout
S169.23	M7R4-1	.AQM	8K	TRS-80 Mod 4, Montezuma Micro CP/M 2.2
S169.24	M7SY-1	.AQM	7K	Sanyo MCB-1000
S169.25	M7TV-1	.AQM	8K	Televideo TS-802
S169.26	M7VT-1	.AQM	8K	DEC VT180
S169.27	M7VT-2	.AQM	9K	DEC VT180, Rainbow & DECmate II
S169.28	M7XE-1	.AQM	8K	Xerox 820 & 820-II
S169.29	M7ZB-1	.AQM	7K	Telcom Zorba

SIG/M Vol 170 Modem Updates (Volume 3 of 3) MDM727 and COMM725

S170	-CATALOG.170	cont of	SIG/M Vol 169	rel April 6, 1984
S170.01	COMM725	.AQM	35K	Updated COMM7. A full feature
S170.02	COMM725A	.AQM	36K	communication program using
S170.03	COMM725B	.AQM	18K	Christiansen protocol for
S170.04	COMM725C	.AQM	17K	file transfer.
S170.05	COMM725D	.AQM	28K	/
S170.06	COMM7INS	.AQM	9K	/
S170.07	DISK77B	.AQM	41K	Updated DISK7 - both a part of
S170.08	DISK77B	.COM	4K	COMM7 and a separate file handler.
S170.09	LASM	.COM	6K	Assembler for COMM7.
S170.10	LASM	.DQC	3K	/
S170.11	M7AC+3	.AQM	13K	MDM727 Apple CAT II with ALS CP/M
S170.12	M7AC-1	.AQM	10K	Apple CAT II overlay
S170.13	M7AJ-1	.AQM	11K	Apple J-CAT
S170.14	M7AM-1	.AQM	8K	Apple][with Mountain CPS

SIG/M Volume 171 Forth Based MC68000 Compiler Updated Atari TO CP/M

S171	-CATALOG.171	cont of	SIG/M Volume 171	rel April 6, 1984
S171.01	ATARIBUS	.LBR	97K	Updated Atari to CP/M
S171.02	M68COMP	.SCR	45K	M68000 compiler in Laboratory
S171.03	M68K	.DOC	33K	Microsystems Z-80 Forth v 1.14
S171.04	LIST1	.LST	24K	/
S171.05	LIST2	.LST	22K	/
S171.06	LIST3	.LST	6K	/
S171.07	SCREEN	.C	2K	/
S171.08	SCREEN	.COM	4K	/

S172.00 ABSTRACT INFO ON THE DISK

S172.01	8086	.A86	17K	8086 monitor
S172.02	DISK3	.ASM	12K	CP/M+ Disk IO module for XCOMP Hard Disk
S172.03	DU-V75A	.A86	53K	DU for CP/M 86
S172.04	DU-V75A	.CMD	8K	/
S172.05	DU-V75A	.DOC	7K	/
S172.06	UNERA31	.A86	19K	Unerase for CP/M 86
S172.07	UNERA31	.CMD	3K	/
S172.08	FL3	.ASM	10K	Disk IO driver CP/M+, Versafloppy 2
S172.09	XBIOS	.A86	44K	For hard disk, 2 floppies, ramdisk
S172.10	PRINTER	.DOC	4K	DOC file for following printer programs
S172.11	EPSPRTR	.A86	9K	Sets Epson printer in CP/M 80
S172.12	EPSPRTR	.ASM	10K	and CP/M 86
S172.13	EPSPRTR	.CMD	2K	/
S172.14	EPSPRTR	.COM	2K	/
S172.15	OKI-92	.A86	5K	Sets Okidata 92 printer in CP/M 80
S172.16	OKI-92	.CMD	1K	and CP/M 86

S172.17 SETOKI .ASM 9K /
S172.18 SETOKI .COM 2K /

173.01	8080	.CNV	8K	CB EC	Assembler for Intel 8080
173.02	8080	.HLP	41K	D3 19	HELP file for Intel 8080
173.03	8080A	.HLP	45K	7E 43	HELP file for 8080.CNV
173.04	80T86	.CNV	6K	A9 17	Intel 8080 code to Intel 8086 code
173.05	BINCOM	.CNV	1K	22 87	Compare two binary files
173.06	BORRA	.CNV	1K	5C A8	Delete files subject to confirmation
173.07	CNVPRG	.HLP	45K	2A 35	HELP file for CNVRT programming
173.08	CNVRT	.REC	20K	A6 DE	Source file for CNVRT compiler
173.09	COPY	.CNV	1K	96 0F	Copy file to another
173.10	FIND	.CNV	2K	DF 2C	Search file for keyword
173.11	HEXEH	.CNV	2K	2F 73	Transform FILE.UFH to FILE.HEX
173.12	KWIC	.CNV	1K	8B B4	KWIC listing of keywords in a file
173.13	PAK	.CNV	2K	0E DB	Combine several files into one
173.14	PYP	.CNV	2K	04 D5	Improvement on PIP
173.15	QMREC86	.CMD	6K	B1 91	256K REC86 binary code
173.16	QMREC86	.H86	13K	A3 FF	Segmented REC86 hex file
173.17	REC80	.COM	5K	60 31	REC80 binary code
173.18	SAMPLE	.CNV	1K	6D 2A	Null program
173.19	SENTEN	.CNV	1K	1A D9	Recognize sentence
173.20	UPAK	.CNV	1K	0B A1	Disperse a packed file
173.21	VOWEL	.CNV	1K	41 D5	Recognize a vowel

173 on ad
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17325 26 H

174.01	ENVIRON	.DOC	2K	E2 CC	System requirements
174.02	EQN	.	1K	3A 2C	Demo of macro use for equation numbr
174.03	EXY1	.	1K	64 1B	Exidy video output for scientific s
174.04	FOOT	.	1K	60 77	Footnote demo
174.05	FORM	.	1K	7A 29	Form letter demo
174.06	KAYPRO	.	3K	25 86	Kaypro video output
174.07	L2	.COM	17K	87 0F	Linker for BDS 'C'
174.08	LIST	.	1K	EC D5	Initialize to list
174.09	MARGINS	.	2K	7F A7	Test program top & bottom page, pagination
174.10	MATRIX	.	1K	BF 72	Demo of proportional control for equations
174.11	ML92	.	8K	97 7C	Initialize Okidata 92 printer
174.12	MX80	.	6K	DA 43	Initialize Epson MX-80 with Graftrax
174.13	NEC3525	.	3K	E2 16	Initialize NEC with tech math/times roman
174.14	NEST	.	1K	81 99	Demo of nesting macros, string substitution
174.15	NETEST	.	1K	B5 DF	Demo of .NE command
174.16	ONE	.	1K	2C 3E	Test used with sotest
174.17	PAGES	.	2K	AA 00	Test for pagination
174.18	PROWRITE.	.	4K	DA 50	Initialize Prowriter printer
174.19	ROFF4	.C	13K	42 49	Main source module
174.20	ROFF4	.COM	30K	2B E9	Executable formatter program
174.21	ROFF4	.DOC	34K	BF D4	Documentation
174.22	ROFF4	.H	9K	A4 E8	Source (common declarations)
174.23	ROFF4	.SUB	1K	0D 35	Submit file to create ROFF4.COM
174.24	ROFF41	.C	7K	09 FB	Source module
174.25	ROFF42	.C	8K	1F 53	" "
174.26	ROFF43	.C	5K	59 60	" "
174.27	ROFF44	.C	6K	12 81	" "
174.28	ROFF45	.C	8K	39 37	" "
174.29	ROFF46	.C	8K	28 23	" "
174.30	ROFF47	.C	8K	D1 0A	" "
174.31	SCI	.ASM	4K	EB 33	Initialize Exidy to display sci. symbols
174.32	SCI	.COM	2K	39 24	/
174.33	SOTEST	.	1K	33 0E	Test and demo of nested .SO(urce) commands
174.34	THREE	.	1K	D6 4D	/
174.35	TWO	.	1K	8C 68	/

175.01	2651SYS	.A86	8K	4B A6	Modem 901 adapted for CP/M 86
175.02	8251SYS	.A86	9K	C0 03	
175.03	CONSOLE	.A86	12K	70 3A	
175.04	DEFF	.A86	2K	B1 E2	
175.07	FILES	.A86	11K	D8 B4	

175.08	FINISH	.A86	2K	44	FB	
175.09	MAIN	.A86	25K	26	AA	
175.10	MODEM	.A86	3K	C7	42	
175.11	MODEM-86	.DOC	10K	0C	FD	
175.12	MODEM9XX	.DOC	41K	3D	2B	
175.13	SENDRECV	.A86	25K	9F	B1	
175.14	SIO SYS	.A86	9K	19	6E	
175.16	START	.A86	6K	B9	8D	
175.17	TERM	.A86	16K	AA	2E	
175.05	F47-TEST	.A86	1K	32	2B	Demonstrates CP/M 86 BDOS function 47
175.06	F47-TEST	.CMD	1K	8C	76	/
175.15	SQ	.CMD	20K	96	65	Squeeze files for CP/M 86
175.18	USQ	.CMD	18K	F4	6E	Unsqueeze squeezed files
176.01	CPM3LIB	.LBR	8K	0B	D3	CPM3 routines
176.02	DRI-DATE	.LBR	8K	CA	15	Calculates DRI dates
176.03	DU-V86	.LBR	54K	66	E6	Updated Disk Utility
176.04	IF	.LBR	25K	3E	1A	Conditional submit files
176.05	SD-80	.LBR	67K	3B	63	Updated Super Directory
176.06	UNSQ12	.LBR	16K	FC	96	Z80 unsqueeze
176.07	USQ119	.AQM	9K	39	2E	USQ source code
177.01	ACTREC	.CQL	3K	8B	F7	Accounts receiveable template for
177.02	ACTREC	.DQC	6K	07	98	SuperCalc2
177.03	ADDLF15	.LBR	24K	D1	42	Adds CR and/or LFs to files
177.04	CARRY	.AQM	5K	23	5E	COM loader for single drive systems
177.05	CARRY	.COM	1K	70	14	/
177.06	CDOSCPM	.LBR	16K	37	50	Emulates CDOS 2.35 under CP/M 2.2
177.07	EZ	.AQM	6K	6E	20	Easy loader for COM files with
177.08	EZ	.COM	1K	65	56	complex commands
177.09	LISTDEC	.AQM	7K	A6	8B	DEC to CP/M transfer program
177.10	MONITOR	.AQM	12K	51	D4	8080 monitor based on Alan Miller's
177.11	MONITOR	.DQC	6K	1C	6A	book
177.12	MY-LDIR	.ZQO	9K	75	1E	LDIR utility for LBR files in Z80 assembler
177.13	NEAT	.LBR	24K	45	98	Useful pretty printer for ASM files
177.14	PIPAFR	.AQM	3K	CD	6D	PIP patch for handshake file transfer
177.15	PIPXFR	.COM	1K	D7	A5	/
177.16	RAMMAP	.AQM	3K	AF	54	Displays CP/M memory map
177.17	RAMMAP	.COM	1K	BA	83	/
177.18	SAME	.COM	6K	D1	70	Compares and deletes files from two disks
177.19	SAME11	.AQM	27K	C9	B6	/
177.20	SAP38	.AQM	8K	10	47	Updated sort and pack
177.21	SAP38	.COM	2K	66	8E	/
177.22	SAP38	.DQC	3K	7D	17	/
177.23	SCAVENGE	.LBR	16K	A2	27	MSDOS 1 and 2 bad block locator
177.24	SETBAUD	.ASM	3K	F3	8D	Sets baud rate on Godbout interfacers 3/4
177.25	SETBAUD	.COM	1K	46	53	/
177.26	WIPE	.AQM	3K	C6	AA	Neat way to erase *.SYM,*.HEX,*.REL
177.27	WIPE	.COM	1K	00	B9	and *.BAK files
177.28	WS\$FILES	.DOC	1K	F1	E4	Patches for WordStar 3 and Epson MX 80
177.29	WS\$MX80	.ASM	4K	1F	CA	and for VT52 terminal
177.30	WS\$VT52	.ASM	4K	A3	E5	/
178.01	BDSNEW	.LBR	23K	8E	4D	Replacement functions in assembler for BDSC
178.02	CRTTOOLS	.LBR	100K	F5	D8	Screen handling functions in C
178.03	RBBS4102	.LBR	92K	0B	A5	Bulletin Board in BDS C vers 1.50a
179.01	BIOS3	.LBR	63K	BC	D4	CP/M Plus BIOS for Godbout/Compupro
179.02	BIOS3+	.DQC	3K	75	CB	Disk 1
179.03	CARCHIVE	.LBR	12K	C5	37	File archiver in C
179.04	CCHECK	.LBR	40K	49	FF	Brace etc matcher for C
179.05	CPMCALL	.CQ	5K	53	D4	CP/M calls for Aztec C
179.06	CRSCHK	.LBR	18K	3B	88	CP/M directory crosscheck utility in C
179.07	CUTILS	.LBR	18K	A3	58	Various C utilities
179.08	GOTO	.AQM	8K	12	F5	Creates 'named directories' for BBS
179.09	PREPARE	.COM	5K	1E	55	Prepares a standard ASCII file

179.10	TRACE .LBR	6K	2E 44	Active trace facility for Aztec C
179.11	UIOPRTS2.AQM	11K	36 A3	Collection of USART interfaces for BSTAM
180.01	HONEYWEL.LBR	8K	56 63	C utility to communicate with Honeywell L66
180.02	MOD68-13.LBR	28K	C2 1D	Modem for 6800 FLEX systems
180.03	MPMODEM .LBR	36K	BA 85	How to set up MPM modem
180.04	PRINTLBL.LBR	30K	DF 8B	Labels for Diablo & Epson
180.05	QUASI .LBR	45K	C9 63	Programs for QUASI memory disk
180.06	SAPMAP33.LBR	15K	13 34	SAP that creates file assignment map
180.07	SHELL .LBR	14K	BA 42	Unix like shell for CP/M 2.2
180.08	UP-DOW .LBR	23K	23 1A	Protocol for transfers to/from Compuserve
180.09	XDRIVE10.LBR	13K	D9 2B	Memory drive program for CP/M 2.2
181.01	ADDLF .CQ	4K	C1 B3	Adds LF after CR in text files
181.02	CHAT .CMD	20K	DC 9C	RCPM CHAT utility rewritten in
181.03	CHAT86 .CQ	3K	B2 68	DRI C
181.04	CRCBUILD.ASM	15K	34 64	Program used to produce SIG/M
181.05	CRCBUILD.COM	2K	30 2C	-catalog.xxx files
181.06	CTYPE .HQ	2K	C0 43	RT-11 TO CP/M 86 disk transfer for DRI C
181.07	ERRNO .H	1K	27 B4	
181.08	PORTAB .HQ	2K	61 69	
181.09	RT11 .CQ	6K	8A FA	
181.10	RT11 .CQD	26K	F3 F8	
181.11	RT11 .DQC	6K	FE AD	
181.12	RT11 .H	2K	D2 A3	
181.13	RT11 .INP	1K	37 59	
181.14	RTFILE .CQ	9K	3C 3C	
181.15	RTMISC .CQ	3K	97 1F	
181.16	RTMISC1 .AQ6	4K	C1 CB	
181.17	SETJMP .HQ	2K	55 EC	
181.18	STDIO .H	1K	BB A4	
181.19	FLIP44 .AQ6	4K	78 7E	FLIPs modem mode, CP/M 86 version
181.20	HELP15 .AQ6	11K	2F A1	Displays help files, CP/M 86 version
181.21	HELP15 .CMD	3K	5C CE	/
181.22	MINIMOD .AQM	11K	22 ED	Mini MODEM program for MSDOS
181.23	MINIMOD .DQC	4K	C0 A7	/
181.24	MXPLOT .BAS	14K	75 3A	Plotter for MX-80
181.25	PAUSE .CMD	22K	14 70	Pause during SUBMIT CP/M 86 version for
181.26	PAUSE86 .CQ	2K	AB 1B	DRI C
181.28	TAG3 .AQ6	7K	D6 6C	Set attributes on CP/M 86 files for
181.29	TAG3 .CMD	1K	25 C5	RCPMs
181.30	U .CMD	1K	5F A5	Changes drive/user on CP/M 86 & MP/M 86
181.31	U-CCPM .AQ6	7K	50 61	/
182.01	FTH2CPM .LBR	8K	CE F1	Forth to CP/M screen to file transfers
182.02	LR .LBR	8K	17 8A	Linear Regression in Nevada Fortran
182.03	MATRIX .LBR	75K	13 F8	Sophisticated Matrix/Eigen value calculator
182.04	NS-STATS.LBR	59K	58 BA	Statistics in N* Basic
182.05	PAUSE80 .LBR	6K	A0 9B	Pause during submit in BDS C
182.06	PBH .LBR	15K	3F C2	Prints block headings
182.07	SYNONYM3.LBR	13K	85 F2	Creates synonyms for COM files
182.08	TAG-CPM .LBR	14K	7E 6B	Modem RR traffic system, MSBASIC
183.01	APYMBOOT.C	6K	10 A1	YAM equivalent of MBOOT for Apple II
183.02	HARDWARE.BB2	4K	A7 65	Part of header file for BB2
183.03	READ-ME .YQM	5K	5A 03	Describes preconfigured YAMs & installation
183.04	XYAMRCPM.LBR	8K	6F A0	Header file XYAM version of YAMS3
183.05	YAM .HQP	12K	9A 39	Introduction to YAM
183.06	YAM .LBR	85K	58 0F	YAM source files & documentation
183.07	YAMAPL .LBR	5K	57 DA	Header file Apple II with CCS 7710 card
183.08	YAMAPLCC.LBR	5K	60 65	Header file Apple II with Comma card
183.09	YAMBOOT .C	6K	B3 CE	YAM equivalent of MBOOT
183.10	YAMDMX .LBR	6K	DD 23	Header file Datamax
183.11	YAMINT3 .LBR	5K	22 C3	Header file Compupro Interfacer 3/4
183.12	YAMINTER.LBR	5K	A7 9A	Header file Compupro Interfacer 1
183.13	YAMKPRO .LBR	6K	88 7A	Header file Ka pro

183.14	YAMMICRO	.LBR	5K	A9 6F	Header file Morrow Micro Decision
183.15	YAMMON	.LBR	5K	69 0E	Header file MOnroe 9200
183.16	YAMOKI	.LBR	5K	4F D0	Header file for Oki
183.17	YAMS3	.LBR	5K	1E 11	Header file Compupro SS1 + Interfacer 3/4
183.18	YAMSAN	.LBR	5K	D1 8F	Header file Sanyo 1000
183.19	YAMSOR	.LBR	8K	F5 37	Header file Exidy Sorcerer

184.01	SYSENV	.ASM	1K	4C 5C	Basic files for generating a ZCPR3 system
184.02	SYSENV	.LIB	4K	CF 64	
184.03	SYSFCP	.AQM	12K	5E DD	
184.04	SYSFCP1	.LQB	4K	22 16	
184.05	SYSFCP2	.LQB	4K	16 1E	
184.06	SYSIOP	.AQM	19K	43 C0	
184.07	SYSNDR	.ASM	1K	38 72	
184.08	SYSNDR	.LIB	2K	DA 46	
184.09	SYSRCP	.AQM	30K	A4 60	
184.10	SYSRCP1	.LQB	7K	23 EB	
184.11	SYSRCP2	.LQB	7K	37 2D	
184.12	SYSRCP3	.LQB	7K	0E 7F	
184.13	SYSRCP4	.LQB	7K	5A C5	
184.14	Z3BASE1	.LQB	6K	1A FC	
184.15	Z3BASE2	.LQB	6K	0B 15	
184.16	Z3HDR1	.LQB	13K	EA AD	
184.17	Z3HDR2	.LQB	13K	F9 A3	
184.18	Z3TCAP	.AQM	17K	77 42	
184.19	Z3TCAP	.TQP	3K	32 9C	
184.20	ZCPR3	.AQM	43K	35 C4	
184.21	ZCPR3	.INS	4K	52 CF	

185.01	SYSLIB	.REL	21K	29 21	Basic files for ZCPR3 installation
185.02	VLIB	.REL	2K	01 A1	
185.03	Z3LIB	.REL	7K	61 B8	ZCPR3 installation manual
185.04	Z3INS	.IDX	4K	60 44	
185.05	Z3INS	.SQ	19K	70 99	
185.06	Z3INS	.TQC	6K	88 B5	
185.07	Z3INS1	.SQ	8K	F2 4F	
185.08	Z3INS2	.SQ	9K	58 67	
185.09	Z3INS3	.SQ	38K	56 66	
185.10	Z3INS4	.SQ	20K	FB 88	
185.11	Z3INS5	.SQ	4K	AC 7B	
185.12	Z3INS6	.SQ	21K	A9 16	
185.13	Z3INS7	.SI	2K	F0 A3	
185.14	Z3INS8	.SI	5K	EB 11	
185.15	Z3USER	.IDX	1K	9F 34	
185.16	Z3USER	.SQ	36K	36 B4	
185.17	Z3USER	.TOC	1K	18 10	

186.01	ALIAS	.COM	4K	82 D4	ZCPR3 Utility files
186.02	CD	.COM	1K	DA 48	
186.03	CMDRUN	.COM	1K	21 B5	
186.04	COMMENT	.COM	1K	3C 4A	
186.05	CPSEL	.COM	1K	CC AA	
186.06	CRC-ZCPR	.COM	6K	A8 9C	
186.07	DEV	.COM	2K	F7 55	
186.08	DEVICE	.COM	3K	15 3E	
186.09	DIFF	.COM	4K	45 A7	
186.10	DIR	.COM	2K	9B 8A	
186.11	ECHO	.COM	1K	F2 D6	
186.12	ERASE	.COM	3K	E7 1E	
186.13	ERROR1	.COM	2K	5E B7	
186.14	ERROR2	.COM	3K	2F 03	
186.15	ERROR3	.COM	1K	85 42	
186.16	ERROR4	.COM	1K	86 D1	
186.17	ERRORX	.COM	1K	F9 41	
186.18	FINDF	.COM	2K	D2 A6	
186.19	GOTO	.COM	1K	6A DA	

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186.20	HELP	.COM	3K	92	8B	
186.21	HELPC	.COM	2K	F3	B3	
186.22	HELPPR	.COM	5K	12	E7	
186.23	IF	.COM	3K	41	8D	
186.24	IFSTAT	.COM	1K	65	86	
186.25	LDR	.COM	3K	A1	4E	
186.26	MCOPY	.COM	4K	83	41	
186.27	MENU	.COM	4K	8C	ED	
186.28	MENUCK	.COM	3K	3C	DC	
186.29	MKDIR	.COM	6K	01	4B	
186.30	NOTE	.COM	1K	CB	9E	
186.31	PAGE	.COM	5K	DF	9F	
186.32	PATH	.COM	2K	E4	21	
186.33	PRINT	.COM	6K	04	92	
186.34	PROTECT	.COM	4K	A1	30	
186.35	PWD	.COM	1K	2B	9B	
186.36	QUIET	.COM	1K	DF	6B	
186.37	RECORD	.COM	1K	C2	B4	
186.38	REG	.COM	1K	1C	C4	
186.39	RENAME	.COM	4K	A2	F2	
186.40	SAK	.COM	1K	78	42	
186.41	SETFILE	.COM	1K	00	B2	
186.42	SH	.COM	4K	A8	9E	
186.43	SHCTRL	.COM	1K	E3	7A	
186.44	SHDEFINE	.COM	3K	0D	EA	
186.45	SHFILE	.COM	1K	63	4F	
186.46	SHOW	.COM	8K	80	8A	
186.47	SHVAR	.COM	3K	4D	89	
186.48	SUB	.COM	3K	59	E5	
186.49	TCCHECK	.COM	2K	72	35	
186.50	TCMAKE	.COM	6K	B3	A0	
186.51	TCSELECT	.COM	3K	7C	29	
186.52	UNERASE	.COM	2K	50	57	
186.53	WHEEL	.COM	2K	0C	D0	
186.54	XD	.COM	4K	46	5B	
186.55	XDIR	.COM	8K	72	48	
186.56	Z3INS	.COM	2K	DF	B7	
186.57	Z3LOC	.COM	1K	A9	08	
186.58	ZEX	.AQM	31K	A2	41	ZCPR3 ZEX files
186.59	ZEX	.COM	6K	5E	36	/
186.60	ALIAS	.ZEX	2K	6D	BE	/
186.61	ZEX	.ZEX	4K	78	2C	/
187.01	ALIAS	.HLP	5K	9C	58	ZCPR3 HELP files
187.02	CMDFILES	.HQP	16K	94	6B	
187.03	COMPARE	.HLP	5K	26	B6	
187.04	DIRS	.HQP	13K	D1	3A	
187.05	HELP	.HLP	1K	54	CD	
187.06	HELPSYS	.HQP	19K	08	F5	
187.07	IF	.HQP	8K	2C	8A	
187.08	IO	.HQP	8K	24	2E	
187.09	MENU	.HQP	21K	2C	55	
187.10	NDIRS	.HQP	10K	49	B2	
187.11	SH	.HQP	9K	0F	9E	
187.12	SYSRCP	.HLP	6K	F6	33	
187.13	Z3RES	.HLP	8K	80	0E	
187.14	Z3TCAP	.HQP	23K	9D	25	
187.15	Z3UTIL1	.HQP	20K	51	A3	
187.16	Z3UTIL2	.HQP	14K	86	FE	
187.17	ZCPR3	.HLP	4K	66	6E	
187.18	ALIAS0	.MAC	8K	50	72	ZCPR3 MAC files
187.19	ALIAS1	.MQC	7K	71	26	/
187.10	CD	.MAC	3K	42	02	/
187.21	CMDRUN	.MAC	1K	F2	1D	/
187.22	COMMENT	.MAC	4K	FF	64	/
187.23	CPSEL	.MAC	7K	26	69	/

188.01	CRC	.MQC	12K	FF 15	ZCPR3 MAC files
188.02	DEV	.MQC	7K	C9 59	
188.03	DEVICE	.MQC	7K	97 6A	
188.04	DIFF	.MQC	10K	F5 79	
188.05	DIR	.MAC	7K	22 27	
188.06	ECHO	.MAC	4K	82 4C	
188.07	ERASE	.MQC	7K	64 55	
188.08	ERROR1	.MAC	8K	7B F1	
188.09	ERROR2	.MQC	6K	1E 35	
188.10	ERROR3	.MAC	4K	85 FA	
188.11	ERROR4	.MAC	4K	D1 79	
188.12	ERRORX	.MAC	2K	7F 9C	
188.13	FINDF	.MQC	14K	B6 D8	
188.14	GOTO	.MAC	4K	45 36	
188.15	HELP	.MQC	16K	09 D6	
188.16	HELPCK	.MQC	7K	25 79	
188.17	HELPPR	.MQC	19K	70 F0	
188.18	IF	.MQC	7K	5E 57	
188.19	IFSTAT	.MAC	2K	23 4E	
188.20	LDR	.MQC	8K	B8 41	
188.21	MCOPY	.MQC	14K	3D DE	
188.22	MENU	.MQC	20K	21 E9	
188.23	MENUCK	.MQC	8K	98 D3	
188.24	MKDIR	.MQC	12K	DF E6	
188.25	NOTE	.MAC	1K	98 6F	
188.26	PAGE	.MQC	17K	36 5D	
188.27	PATH	.MQC	6K	FB AD	

189.01	PRINT	.MQC	19K	24 17	ZCPR3 MAC files
189.02	PROTECT	.MQC	9K	97 CA	
189.03	PWD	.MAC	5K	DF 00	
189.04	QUIET	.MAC	3K	FA 09	
189.05	RECORD	.MAC	4K	4E E7	
189.06	REG	.MAC	5K	40 1A	
189.07	RENAME	.MQC	9K	1E FB	
189.08	SAK	.MAC	5K	62 C2	
189.09	SETFILE	.MAC	2K	73 D5	
189.10	SH	.MQC	11K	BE F5	
189.11	SHCTRL	.MAC	3K	CA E6	
189.12	SHDEFINE	.MQC	8K	7E 64	
189.13	SHFILE	.MAC	2K	34 17	
189.14	SHOW	.MQC	20K	AF 69	
189.15	SHVAR	.MQC	8K	F9 99	
189.16	SUB	.MQC	15K	A1 1B	
189.17	TCCHECK	.MAC	5K	70 79	
189.18	TCMAKE	.MQC	13K	02 D5	
189.19	TCSELECT	.MQC	8K	CB D5	
189.20	UNERASE	.MQC	10K	FA 52	
189.21	WHEEL	.MAC	4K	FF CF	
189.22	XD	.MQC	12K	F7 E0	
189.23	XDIR	.MQC	25K	D6 BC	
189.24	Z3INS	.MQC	7K	C8 63	
189.25	Z3LOC	.MAC	4K	35 83	

190.01	SYSLIB1	.LBR	60K	39 42	Library of SYSLIB routines
190.02	SYSLIB2	.LBR	78K	EC 4C	/
190.03	SYSLIB3	.LBR	57K	DC 5A	/
191.01	SYSLIB	.REL	21K	29 21	SYSLIB library of routines
191.02	SYSLIB27	.REL	14K	1C 54	/
191.03	SYSLIB4	.LBR	48K	7B A6	/
191.04	SYSLIB5	.LBR	66K	78 C0	/

192.01	SYS2-3	.TXT	9K	6B 3B	Upgrade notes to SYSLIB 2 & 3
192.02	SYSLIB	.HLP	2K	81 84	SYSLIB HELP files
192.03	SYSLIB0	.HLP	14K	86 FE	

192.04	SYSLIB1	.HLP	20K	8F	BB
192.05	SYSLIB2	.HLP	5K	6D	D5
192.06	SYSLIB3	.HLP	15K	F8	5C
192.07	SYSLIB4	.HLP	12K	E7	A6
192.08	SYSLIB5	.HLP	12K	F4	17
192.09	SYSLIB6	.HLP	8K	F4	5A
192.10	SYSLIB7	.HLP	6K	15	2C
192.11	SYSLIB8	.HLP	5K	3C	A8
192.12	SYSLIB9	.HLP	3K	42	92
192.13	SYSLIBA	.HLP	7K	64	42
192.14	SYSLIBB	.HLP	5K	20	09
192.15	SYSLIBC	.HLP	9K	F9	6C
192.16	SYSLIBD	.HLP	5K	48	9A
192.17	SYSLIBE	.HLP	8K	55	D3
192.18	SYSLIBF	.HLP	4K	2A	54
192.19	SYSLIBG	.HLP	3K	EE	4C
192.20	SYSLIBH	.HLP	2K	6F	02
192.21	SYSLIBI	.HLP	6K	DC	1E

192.18

193.01	BISHOW31	.AQM	32K	52	5D	bidirectional pager for both squeezed and
193.02	BISHOW31	.COM	3K	B8	D1	unsqueezed files.
193.03	DBL211	.LBR	12K	B1	21	Oki, Epson, etc. output 2 cols. side by side
193.04	HEX2DATA	.BAS	3K	EF	71	turnd hex file into basic data statements
193.05	JOYSTICK	.LBR	20K	E2	15	Atari joysticks for Osborne
193.06	MOI	.CAL	5K	B9	9B	math of interest supercalc template
193.07	MXSET22	.LBR	68K	A5	19	ultimate MX-80, 100 set program
193.08	PAF-TAB	.CAL	11K	AD	0A	interest calc supercalc template
193.09	PSWORD	.LBR	6K	3D	C3	passwords for .COM files
193.10	RENEXT11	.LBR	8K	8A	DF	renames all files with same extension
193.11	TXT23	.LBR	7K	8C	B4	inserts text statements in .COM files
193.12	ZDEBUG17	.LBR	23K	D9	B6	Z80 debugger

194.01	PLOT33	.AQM	44K	FC	55	Dot matrix graphics driver
194.02	PLOT3CITO	.COM	4K	DD	A3	Assembled files for CITO, EPSON
194.03	PLOTEP	.COM	4K	C1	E6	and OKIDATA printers. IDS, Apple
194.04	PLOTOKI	.COM	4K	26	EB	and others use .ASM file
194.05	PLOT33	.DQC	38K	3C	2D	Documentation
194.06	FILLS	.BAS	1K	9D	A2	MBASIC demo of stipple patterns
194.07	GRAF	.FQ	23K	F9	97	FORTTRAN-80 plot package
194.08	GRAF1	.PAS	17K	77	9B	Turbo Pascal low level routines
194.09	GRAF2	.PAS	19K	B0	FF	Turbo Pascal graph drawing routines
194.10	GRAPH	.BAS	9K	B5	4F	MBASIC plot package
194.11	HANDPLOT	.BAS	22K	93	B2	Demonstration program
194.12	TEST	.BAS	2K	D6	EF	MBASIC example program
194.13	TEST	.PAS	3K	41	CD	Turbo Pascal example program
194.14	UPLOAD	.BAS	10K	D0	93	MBASIC demo-stipple pattern redefinition

195.01	FLUF10	.LBR	25K	79	A9	Fluff minimax algorithm and updates-
195.02	FLUF11/T	.LBR	37K	B5	E4	see Dr. Dobbs July 1984
195.03	ROFF4161	.LBR	52K	57	49	Updates ROFF4 (SIG/M Vol 174)
195.04	SIMP12/T	.LBR	73K	1A	34	Simplex algorithm-see BYTE May 1984

196.01	DELBR11A	.LBR	53K	CC	2D	extracts library files, CP/M 80, 86, MSDOS
196.02	EX14	.LBR	29K	9D	D4	replacement for SUBMIT and XSUB
196.03	FTNOTE13	.LBR	29K	5F	B8	produces footnotes with Wordstar
196.04	QK12	.LBR	16K	36	8D	redefines keyboard
196.05	SD-92	.LBR	79K	06	E5	updates sorted directory
196.06	SDT	.LBR	4K	B9	4C	enhancement to DDT
196.07	UNSOFT1C	.LBR	11K	BB	4F	removes Wordstar high bits

197.01	FYNDE	.AQ6	13K	CA	3E	FIND in CP/M 80 and 86 with the ability
197.02	FYNDE	.AQM	11K	09	BE	to locate items in squeezed files too.
197.03	FYNDE	.CMD	4K	BC	2B	Written using CNVRT and REC.
197.04	FYNDE	.COM	3K	FF	BA	/
197.05	HJELP	.AQ6	22K	7C	62	HELP in CP/M 80 and 86 with the ability
197.06	HJELP	.AQM	20K	F7	6F	to read squeezed files too.

File Name	Extension	Size	DD	DD E4	Description
197.07	HJELP	.CMD	4K	DD E4	Written using CNVRT and REC.
197.08	HJELP	.COM	4K	C2 E4	/
197.09	SIG197	.HQP	31K	EF 08	Help file for this disk
197.10	TYSQ	.AQ6	6K	F3 66	Type squeezed files - CP/M 80 and 86
197.11	TYSQ	.AQM	8K	E0 60	with the ability to read .COM files
197.12	TYSQ	.CMD	2K	93 D3	too. Written using CNVRT and REC.
197.13	TYSQ	.COM	1K	97 98	/
197.14	UNSQ	.AQ6	8K	92 0E	Unsqueeze squeezed files. Written
197.15	UNSQ	.AQM	7K	F2 DA	using CNVRT and REC.
197.16	UNSQ	.CMD	2K	8B 63	/
197.17	UNSQ	.COM	2K	67 86	/
197.18	UNSQ80	.LIB	11K	F5 F5	ED.COM .LIB version of UNSQ
197.19	UNSQ86	.LIB	11K	E9 4D	ED.CMD .LIB version of UNSQ
197.20	CPR860	.LBR	30K	3C 55	ZCPR for 8086, 8088 computers

File Name	Extension	Size	DD	DD E4	Description
198.01	ADD	.BLD	3K	29 67	SIG/M Property Manager - a
198.02	ADD1	.BLD	14K	97 F6	complete property management program
198.03	ADD2	.BLD	9K	ED 8B	for tenanted real estate. Prints rent
198.04	CHART	.ACC	7K	9C AE	bills, rent roll, delinquency list, etc.
198.05	CHECKS	.ACC	8K	02 B9	Includes full accounting - cash receipts,
198.06	DBOX	.SPM	2K	E9 9B	cash disbursements, general journal and
198.07	DEPOS	.ACC	12K	F9 C1	general ledger. Prepares balance sheet
198.08	EDIT	.BLD	5K	2C 8B	and P&L statements, etc. Self documented.
198.09	INIT	.ACC	4K	A5 15	Required dBASEII (TM) version 2.4. To run
198.10	INIT	.SPM	4K	9D 71	under CP/M 80 rename .PRG file to .CMD.
198.11	JOURN	.ACC	10K	25 E2	(.PRG files are on volume 199). Place
198.12	JOURP	.ACC	18K	A8 2C	all files on one disk with dBASE program
198.13	MAIN	.ACC	5K	6C C6	and type 'DBASE MANAGE' (or DBASE ACCOUNT
198.14	MAIN	.BLD	7K	CD 5C	if you choose to program only as an
198.14	MAINTAIN	.ACC	17K	2C 02	accounting package). You may also have
198.16	MAINTAIN	.BLD	15K	87 2F	dBASE on a separate disk and set default
198.17	MENU	.ACC	1K	E5 ED	to disk where the Property Manager is.
198.18	MENU	.BLD	1K	E5 ED	
198.19	MENU	.SPM	8K	6D DE	
198.20	POSTIT	.ACC	11K	83 6D	
198.21	PRINT	.BLD	2K	26 51	
198.22	REPORT	.BLD	21K	98 B9	
198.23	SEARCH	.BLD	4K	FD CE	
198.24	SEARCH1	.BLD	4K	83 A8	
198.25	STATEM	.ACC	12K	DD E2	
198.26	STATEMP	.ACC	17K	64 8F	

File Name	Extension	Size	DD	DD E4	Description
199.01	ACCOUNT	.DBF	1K	00 D9	SIG/M Property Manager (cont)

199.02	ACCOUNT	.NDX	3K	6A 1A
199.03	BUILD	.DBF	1K	0E 11
199.04	CHART	.DBF	6K	5D 79
199.05	CHART	.NDX	3K	D0 28
199.06	CHART1	.DBF	6K	5D 79
199.07	CHART2	.DBF	6K	92 3C
199.08	CODE	.NDX	1K	96 23
199.09	CODEA	.NDX	1K	3D BB
199.10	EDIT	.TNT	7K	66 19
199.11	MAIN	.TNT	8K	A8 77
199.12	MANAGE	.CMD	11K	10 07
199.13	MANAGE	.PRG	11K	10 07
199.14	PRINT	.TNT	4K	E8 83

199.15	SEARCH	.TNT	5K	47 92
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199.16	SEARCH1	.TNT	5K	8A 25
199.17	STATEMNT	.DBF	1K	02 E0
199.18	TENANT	.DBF	6K	62 A3

199.19	ACCOUNT	.CMD	11K	FD C8	Alternate 'front end' for Property Manager
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199.20	ACCOUNT	.PRG	11K	FD C8
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199.21	MAIL	.CMD	7K	48 0D
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199.22	MAIL	.PRG	7K	48 0D
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199.23	ACG	.DBF	2K	21 9E
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199.24	ADD	.ACC	8K	9F 6F
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SIG/M Mail Manager, a complete mailing list and record management application program
 to use with dBASEII (TM) version 2.4.

199.15

199.25	DUPCHECK.AC6	1K	9A 9E
199.26	DUPREC .AC6	4K	D0 86
199.27	EDIT .AC6	6K	8F 87
199.28	INIT .AC6	3K	87 F9
199.29	LASTNAME.NDX	1K	B9 EF
199.30	LIST .AC6	3K	F8 D0
199.31	LIST1 .AC6	2K	E6 09
199.32	MAIN .AC6	5K	E0 B2
199.33	MAINTAIN.AC6	6K	18 EA
199.34	PHONE .AC6	2K	60 CA
199.35	PRINT .AC6	1K	95 C6
199.36	PURGE .AC6	2K	7F 84
199.37	REPORT .AC6	5K	5F DA
199.38	SEARCH .AC6	4K	38 BC
199.39	SEARCH1 .AC6	5K	48 33
199.40	VERIFDEL.AC6	3K	27 95
199.41	VERIFNEW.AC6	3K	3B 38
199.42	WSFILE .AC6	3K	F0 D7
199.43	WSFILE1 .AC6	4K	B2 32
199.44	PHONE .CMD	7K	9C 7F
199.45	PHONE .DBF	2K	38 17
199.46	PHONE .NDX	1K	C9 45
199.47	PHONE .PRG	7K	9C 7F

SIG/M Phone Manager, a handy and fast
phone and address database for use with
dBASEII (TM)
/

200.01	CLEANDIR.COM	2K	4F D5
200.02	CMD .COM	1K	B2 81
200.03	DPROG .COM	3K	70 00
200.04	DPROG .HQP	6K	05 6A
200.05	DU3 .COM	12K	06 79
200.06	DU3 .HQP	25K	F8 C7
200.07	MU3 .COM	3K	F5 53
200.08	MU3 .HQP	5K	E9 15
200.09	SHSET .COM	1K	4A 16
200.10	VFILER .COM	11K	D1 62
200.11	VFILER .HQP	14K	3B 2C
200.12	VLIB .HQP	8K	1C 84
200.13	VLIB .REL	2K	01 A1
200.14	VMENU .COM	6K	A5 CA
200.15	VMENU .HQP	20K	DD 19
200.16	VMENUCK .COM	3K	9E 17
200.17	Z3LIB11 .REL	8K	8F 30
200.18	Z3LIB .HQP	2K	36 ED
200.19	Z3LIB1 .HQP	19K	51 41
200.20	Z3LIB2 .HQP	4K	E3 F2
200.21	Z3LIB3 .HQP	13K	E4 44
200.22	Z3LIB4 .HQP	12K	8A 97
200.23	Z3UTIL3 .HQP	5K	17 F2

ZCPR3 sort & pack utility
ZCPR3 command line processor
ZCPR3 printer, terminal programmer
squeezed HELP file for DPROG
ZCPR3 disk utility
squeezed HELP file for DU3
ZCPR3 memory utility
squeezed HELP file for MU3
makes ZCPR3 command line into shell
ZCPR3 screen oriented file utility
squeezed HELP file for VFILER
screen manipulation library HELP file
library of screen manipulation routines
screen oriented file utility
squeezed HELP file for VMENU
menu file syntax checker
library of support utility routines
squeezed support utility library
HELP files
/

201.01	CLEANDIR.MQC	8K	BB 7B
201.02	CMD .MQC	4K	CC 25
201.03	DEBUGRCP.AQM	20K	B6 33
201.04	DPROG .MQC	13K	93 27
201.05	DU3 .MQC	54K	8F B0
201.06	MU3 .MQC	11K	63 72
201.07	SHSET .MQC	3K	F9 66
201.08	VFILER .MQC	58K	47 11
201.09	VMENU .MQC	36K	4F 3C
201.10	VMENUCK .MQC	8K	E6 04

ZCPR3 utilities source code
/

202.01	ANYCODE .ASM	3K	58 44
202.02	ANYCODE .DQC	14K	9E A1
202.03	RSA/T12 .LBR	75K	CF 00
202.04	VID1 .MAC	1K	B0 F4
202.05	VID2 .MAC	1K	12 0A
202.06	VID3 .MAC	1K	6C AD
202.07	VID4 .MAC	1K	E2 25

program to set printer from
Wordstar
public key cryptography
ZCPR3 library of routines for
screen manipulation
/

578 229

202.08	VID5	.MAC	1K	44	4C	
202.09	VID6	.MAC	1K	F8	F4	
202.10	VID7	.MAC	5K	46	6C	
202.11	VID8	.MAC	1K	96	9E	
202.12	VID9	.MAC	2K	E6	29	
202.13	VIDA	.MAC	1K	65	69	
202.14	VIDB	.MAC	1K	3C	61	
202.15	VLAT	.MAC	1K	A6	D7	
202.16	VLGXMSG	.MAC	2K	EC	3A	
202.17	Z3MAC	.LBR	99K	DB	23	ZCPR3 support utility library
203.01	80T86	.LBR	114K	B6	EC	CP/M 80 to 86 translator
203.02	CNVADV	.HLP	40K	98	A1	advanced CNVRT HELP file
203.03	FFYNDE	.A86	25K	E5	A7	FIND - with the capability
203.04	FFYNDE	.ASM	23K	22	4C	of generating a cross reference
203.05	FFYNDE	.CMD	5K	48	ED	listing
203.06	FFYNDE	.COM	4K	5A	F8	/
204.01	F83	.COM	24K	09	33	compiled Forth
204.02	README	.8Q	13K	DD	E2	original F83 instructions
204.03	F83-FIXS	.TQT	4K	52	E2	changes from F83 v 1.0
204.04	BASIC	.BQK	5K	1B	94	BASIC compiler in F83
204.05	CLOCK	.BQK	3K	0B	C0	Source for a calendar example
204.06	CPU8080	.BQK	10K	08	B1	8080 dependent code
204.07	EXPAND80	.BQK	3K	AE	E5	original source to EXPAND.HUF
204.08	EXTEND80	.BQK	9K	ED	D0	extensions source
204.09	HUFFMAN	.BQK	13K	25	1A	compression program
204.10	KERNEL80	.BQK	63K	B8	75	kernel source
204.11	META80	.BQK	13K	6E	D8	metacompiler source
204.12	UTILITY	.BQK	37K	4E	38	utility source
205.01	F83	.68K	29K	1B	F1	compiled Forth
205.02	README	.6Q	13K	0C	33	original F83 instructions
205.03	F83-FIXS	.TQT	4K	52	E2	changed from F83 v 1.0
205.04	BASIC	.BQK	5K	1B	94	BASIC compiler in F83
205.05	CLOCK	.BQK	3K	0B	C0	Source for calendar example
205.06	CPU68000	.BQK	16K	38	C6	68000 dependent code
205.07	EXPAND68	.BQK	3K	9D	92	original source to EXPAND.HUF
205.08	EXTEND68	.BQK	9K	89	D4	extensions source
205.09	HUFFMAN	.BQK	13K	25	1A	compression program
205.10	KERNEL68	.BQK	61K	B3	86	kernel source
205.11	META68	.BQK	14K	66	D0	metacompiler source
205.12	UTILITY	.BQK	36K	6E	E6	utility source
206.01	ENCOL	.LBR	79K	4D	59	multiple column listings, two side of paper
206.02	HJELP	.LBR	59K	18	62	HELP files, even squeezed, within a library
206.03	QSORT	.LBR	20K	E1	C7	Quicksort to order the lines of a file
206.04	TY	.LBR	63K	82	DD	type, whether binary, squeezed or library
207.01	APC-DUMP	.LBR	16K	57	EA	NEC APC dump program (B5CC)
207.02	APCVFILE	.LBR	74K	85	F9	VFILER for NEC APC (9EA7)
207.03	VFILEAPC	.CMD	9K	E2	4C	/ (48C4)
207.03	BIDUMP86	.LBR	11K	A9	F0	CP/M 86 bidirection dump (8639)
207.04	BISHOW86	.CMD	2K	0E	B3	Improved CP/M 86 bidirectional SHOW (B7B1)
207.05	BISHOW86	.LBR	12K	A0	9B	/ (7833)
207.06	LTYPE86	.LBR	10K	C4	87	LTYPE for CP/M 86 (F276)
207.07	LU86	.CMD	19K	17	23	CP/M 86 library utility (5954)
207.08	LU86-2	.LBR	39K	3E	38	/ (1CB2)
207.09	PRINT86	.LBR	15K	B1	67	CP/M 86 PRINT utility (F5AC)
207.10	TYPESQ86	.LBR	7K	4A	87	CP/M 86 Typesqueeze (2672)
207.11	USQ	.CMD	18K	24	C0	Unsqueeze for CP/M 86 (CD6D)
208.01	3740UTIL	.LBR	71K	48	41	IBM 3740 disk utility
208.02	META412	.LBR	99K	49	D7	META4 in 8080 code
208.03	SF	.LBR	34K	97	3C	Z80 bidirectional show

Z01	55619	-CATALOG.001	2k	Contents of Pascal Z Users Group volume 01
Z01		-CATALOG.ACK	1k	Acknowledgement file SEE SIGMUG V.19
Z01		ABSTRACT.001	3k	Comments on Volume 01 CPMUG V.71
Z01		CRCKFILE.001	2k	CRC of volume 01
Z01.01		AUTOBOOT.ASM	5k	Autoboot on CP/M cold start
Z01.02		AUTOBOOT.COM	1k	Autoboot on CP/M cold start
Z01.03		LINEARP .PAS	11k	Simplex algorithm - PASCAL
Z01.04		LINEARP .COM	21k	Simplex algorithm - PASCAL
Z01.05		VARIANT .PAS	1k	Demo for VARIANT records
Z01.06		VARIANT .COM	5k	Demo for VARIANT records
Z01.07		REVERSE .PAS	2k	Demo for linked lists
Z01.08		REVERSE .COM	6k	Demo for linked lists
Z01.09		EDITFILE.PAS	9k	Adapted from S-100 Microsystems
Z01.10		EDITFILE.COM	13k	Adapted from S-100 Microsystems
Z01.11		RT .PAS	4k	Demo program for non-text files
Z01.12		RT .COM	8k	Demo program for non-text files
Z01.13		STARS .PAS	6k	Game - PASCAL
Z01.14		STARS .COM	7k	Game - PASCAL
Z01.15		ADDN .PAS	1k	Simple demo to ADD two numbers
Z01.16		ADDN .COM	6k	Simple demo to ADD two numbers
Z01.17		ZMNEMONS.DOC	13k	Programming aid
Z01.18		TRIAN .PAS	1k	Demo on FOR loops
Z01.19		TRIAN .COM	4k	Demo on FOR loops - PASCAL
Z01.20		CONCHAR .PAS	6k	Utility for command line input
Z01.21		SCAN2X .PAS	5k	File READ evaluation
Z01.22		SCAN2X .COM	8k	File READ evaluation - PASCAL
Z01.23		STRDEMO .PAS	14k	DEMO on STRing functions
Z01.24		STRLIB .DOC	4k	Part of STRDEMO.PAS
Z01.25		LONG .PAS	3k	Demo to string words together
Z01.26		LONG .COM	7k	Demo to string words together - PASCAL
Z01.27		MAKEREL .DOC	8k	Convert REL. files from function blks
Z01.28		LIOS .ASM	7k	Novice utility
Z01.29		CONVERT .PAS	1k	CONVERT gas in liters
Z01.30		CONVERT .COM	6k	CONVERT gas in liters
Z01.31		COMPARE .III	11k	COMPARE source code files from UCSD
Z01.32		DUMP .ASM	23k	Expanded CP/M DUMP program
Z01.33		LSTR .PAS	2k	Generates a line of various length
Z02	55620	-CATALOG.002	2k	Contents of Pascal Users Group volume 02
Z02		ABSTRACT.002	2k	Comments on PCE system Monitor SEE SIGMUG V.20
Z02		-CRCFILE.002	1k	CRC of Volume 02 CPMUG V.72
Z02.01		SYSMON .DOC	103k	Complete Manual of SYStem MONitor
Z02.02		SYSMONA .Z80	2k	Central subsystem module
Z02.03		ASPM1 .Z80	11k	Command subsystem, module one
Z02.04		ASPM2 .Z80	12k	Command subsystem, module two
Z02.05		VECTOR .Z80	3k	Intel I/O standard VECTOR subsystem
Z02.06		CONSOL .Z80	14k	CONSOLE subsystem
Z02.07		DISK .Z80	5k	Floppy DISK subsystem for CPM & monitor
Z02.08		CASS .Z80	8k	CASSette subsystem
Z02.09		BMGEN .Z80	1k	Bit map GENERator
Z02.10		BMGEN .COM	1k	Bit map GENERator
Z02.11		LOADER .Z80	10k	Static LOADER for system
Z02.12		LOADER .COM	3k	Static LOADER for system
Z02.13		SYS .COM	16k	SYStem Monitor boot-up program
Z02.14		ONE .HEX	14k	Used with bringing up bit map
Z02.15		ZERO .HEX	14k	Used with bringing up bit map
Z02.16		COPYTT .Z80	1k	Sample command similar to a COM file
Z02.17		COPYTT .SMC	1k	Sample command similar to a COM file
Z03	55621	-CATALOG.003	2k	Contents of PASCAL Users Group volume 03
Z03		-CRCFILE.003	2k	CRC of Volume 03 SEE SIGMUG V.21
Z03		ABSTRACT.003	4k	Comments on volume 03 CPMUG V.72

Z03.01	AUTHOR	.PAS	10k	General purpose "keyword in text"
Z03.02	AUTHOR	.COM	11k	General purpose "keyword in text"
Z03.02a	ADDRESS		1k	General purpose "keyword in text"
Z03.02b	BYTE	.MAG	1k	General purpose "keyword in text"
Z03.02c	S100	.MAG	1k	General purpose "keyword in text"
Z03.03	CALC	.PAS	12k	Calculator mode program
Z03.04	CALC	.COM	16k	Calculator mode program
Z03.05	CPL0T	.PAS	2k	Simple banner program
Z03.06	CPL0T	.COM	5k	Simple banner program
Z03.07	DELAY	.PAS	1k	General PASCAL Z utility
Z03.08	DELAY	.REL	1k	General PASCAL Z utility
Z03.09	DELAY	.SRC	1k	General PASCAL Z utility
Z03.10	INPORT	.REL	1k	General PASCAL Z utility
Z03.11	INPORT	.SRC	1k	General PASCAL Z utility
Z03.12	OUTPORT	.REL	1k	General PASCAL Z utility
Z03.13	OUTPORT	.SRC	1k	General PASCAL Z utility
Z03.14	KEYIN	.REL	1k	General PASCAL Z utility
Z03.15	KEYIN	.SRC	1k	General PASCAL Z utility
Z03.16	NAD	.PAS	10k	Permuted keyword index program
Z03.17	NAD	.COM	10k	Permuted keyword index program
Z03.18	TDIABLO	.MAC	6k	Driver for Diablo w/Teletex FDC-1
Z03.19	TDIABLO	.COM	1k	Driver for Diablo w/Teletex FDC-1
Z03.20	DIABLO	.Z80	5k	Driver for Diablo w/SD systems S100
Z03.21	DIABLO	.COM	1k	Driver for Diablo w/SD systems S100
Z03.22	RANDOM	.PAS	2k	Fibonacci random number generator
Z03.23	RANDOM	.REL	1k	Fibonacci random number generator
Z03.24	RANDOM	.SRC	4k	Fibonacci random number generator
Z03.25	REBOOT	.COM	1k	REBOOTing desired file
Z03.26	STRLIB	.LIB	12k	PASCAL Z LIBrary
Z03.27	WUMPUS	.PAS	12k	WUMPUS game in PASCAL Z
Z03.28	WUMPUS	.COM	15k	WUMPUS game in PASCAL Z
Z03.29	WUMPUS	.DOC	4k	WUMPUS game in PASCAL Z
Z03.30	CAVE0		1k	Wumpus game in PASCAL Z
Z03.31	CAVE1		1k	Wumpus game in PASCAL Z
Z03.32	CAVE2		1k	Wumpus game in PASCAL Z
Z03.33	CAVE4		1k	Wumpus game in PASCAL Z
Z03.34	CAVE5		1k	Wumpus game in PASCAL Z
Z03.35	ENTRY	.PAS	6k	Creating SRC files
Z03.36	ENTRY	.COM	9k	Creating SRC files
Z03.37	ENTRY	.DOC	6k	Creating SRC files
Z03.38	PEEK	.PAS	2k	PEEK and poke in PASCAL Z
Z03.39	POWERI	.PAS	1k	Demo program on POWERS of numbers
Z03.40	POWERI	.COM	7k	Demo program on POWERS of numbers
Z03.41	POWERI	.REL	2k	Demo program on POWERS of numbers
Z03.42	RDR	.PAS	7k	Alpha-numeric number conversion program
Z03.43	DU	.Z80	29k	Updated disk utility using Z80 code
Z03.44	DU	.COM	4k	Updated disk utility using Z80 code
Z03.45	DU	.DOC	1k	Updated disk utility using Z80 code

Z04	see 72 -CATALOG.004		2k	Contents of PASCAL Users Group volume 04
Z04	-CRCFILE.004		2k	CRC of Volume 04 <i>SEE SYEMUS V. 22</i>
Z04	ABSTRACT.004		4k	Comments on volume 04 <i>CPMUS V 24</i>
Z04.01	CFIO	.LIB	2k	Program to open files
Z04.02	CONCORD	.COM	10k	Program that builds an alphabetical
Z04.03	CONCORD	.PAS	11k	Listing of distinct words
Z04.04	COSINE	.PAS	2k	COSINE program - PASCAL
Z04.05	COSINE	.REL	2k	COSINE program - PASCAL
Z04.06	COSINE	.SRC	6k	COSINE program - PASCAL
Z04.07	GEN5	.COM	8k	Demo on accessing CP/M files
Z04.08	GEN5	.PAS	5k	Demo on accessing CP/M files
Z04.09	GRAPH1	.COM	10k	Presents a function in GRAPHic form
Z04.10	GRAPH1	.PAS	1k	Presents a function in GRAPHic form
Z04.11	ISORTV1	.COM	6k	Insertion SORT with linked list
Z04.12	ISORTV1	.PAS	4k	Insertion SORT with linked list
Z04.13	LINENOS	.COM	8k	Keep track of text LINES
Z04.14	LINENOS	.PAS	4k	Keep track of text LINES

Z04.15	POINT	.COM	6k	Demo on the use of POINTers
Z04.16	POINT	.PAS	2k	Demo on the use of POINTers
Z04.17	RANDOM	.MAC	4k	"Professional" RANDOM number generator
Z04.18	RANDOM	.PAS	1k	Simple RANDOM number generator
Z04.19	SINCOS	.SRC	5k	SINE/COSine utility
Z04.20	SINCOS	.REL	1k	SINE/COSine utility
Z04.21	STRLIB	.DOC	5k	Ray Penley's latest updated STRing LIBrary
Z04.22	STRLIB	.LIB	13k	STRing LIBrary - PASCAL
Z04.23	TRIG4	.COM	9k	Demo - Builds a short TRIG chart
Z04.24	TRIG4	.PAS	2k	Demo - Builds a short TRIG chart
Z04.25	XREFG2	.COM	13k	A binary tree type cross-REF generator
Z04.26	XREFG2	.PAS	18k	A binary tree type cross-REF generator
Z04.27	ZPTEx	.COM	8k	Very simple TEXT formatter
Z04.28	ZPTEx	.PAS	8k	Very simple TEXT formatter
Z04.29	LESSON4		5k	PASCAL learning program
Z04.30	RECIPE	.COM	12k	RECIPE program - PASCAL
Z04.31	RECIPE	.PAS	17k	RECIPE program - PASCAL
Z04.32	RECIPE	.MST	1k	RECIPE program - PASCAL
Z04.33	RCPDAT	.YYY	1k	Dummy recipe file
Z04.34	FCLOSE	.COM	8k	Three ways to CLOSE a file - PASCAL
Z04.35	FCLOSE	.PAS	4k	Three ways to CLOSE a file - PASCAL
Z05 555 V)	-CATALOG.005		2k	Contents of PASCAL Users Group volume 05
Z05	-CRCFILE.005		2k	CRC of volume 05
Z05	ABSTRACT.005		2k	Comments on volume 05
Z05.01	EXPO	.PAS	3k	Demo on the use of EXPOnents
Z05.02	EXPO	.COM	7k	Demo on the use of EXPOnents
Z05.03	COMPARE	.DOC	9k	UCSD program COMPARE documentation
Z05.04	DISASMB	.DOC	11k	DISASsembler in MicroSoft Basic V 5.1
Z05.05	8085	.LST	1k	Microsoft Basic 5.1 disassembler
Z05.06	8085	.TAB	1k	Microsoft Basic 5.1 disassembler
Z05.07	DISASMB	.BAS	13k	Microsoft Basic 5.1 disassembler
Z05.08	INTEL	.LST	1k	Microsoft Basic 5.1 disassembler
Z05.09	INTEL	.TAB	1k	Microsoft Basic 5.1 disassembler
Z05.10	LST8085	.BAS	3k	Microsoft Basic 5.1 disassembler
Z05.11	LSTINTEL	.BAS	3k	Microsoft Basic 5.1 disassembler
Z05.12	LSTTDL	.BAS	4k	Microsoft Basic 5.1 disassembler
Z05.13	LSTZILOG	.BAS	3k	Microsoft Basic 5.1 disassembler
Z05.14	TAB8085	.BAS	7k	Microsoft Basic 5.1 disassembler
Z05.15	TABINTEL	.BAS	6k	Microsoft Basic 5.1 disassembler
Z05.16	TABTDL	.BAS	11k	Microsoft Basic 5.1 disassembler
Z05.17	TABZILOG	.BAS	11k	Microsoft Basic 5.1 disassembler
Z05.18	TDL	.LST	1k	Microsoft Basic 5.1 disassembler
Z05.19	TDL	.TAB	3k	Microsoft Basic 5.1 disassembler
Z05.20	XREF	.BAS	6k	Microsoft Basic 5.1 disassembler
Z05.21	XREF	.SUB	1k	Microsoft Basic 5.1 disassembler
Z05.22	ZILOG	.LST	1k	Microsoft Basic 5.1 disassembler
Z05.23	ZILOG	.TAB	3k	Microsoft Basic 5.1 disassembler
Z05.24	DATE	.DOC	7k	DATES routines
Z05.25	BRKDATE	.LIB	1k	DATES routine
Z05.26	DASTRLON	.LIB	2k	DATES routine
Z05.27	DASTRLON	.LIB	2k	DATES routine
Z05.28	DASTRSH	.LIB	2k	DATES routine
Z05.29	DATE	.PAS	7k	DATES routine
Z05.30	DATEFUNC	.LIB	2k	DATES routine
Z05.31	MAKEDATE	.LIB	2k	DATES routine
Z05.32	PROMPT	.LIB	1k	DATES routine
Z05.33	RMAKEDA	.LIB	2k	DATES routine
Z05.34	MISC	.DOC	2k	MISCellaneous routines
Z05.35	CAPCHAR	.LIB	1k	Misc routines - PASCAL
Z05.36	CAPSTR	.LIB	1k	Misc routines - PASCAL
Z05.37	DEPAD	.LIB	1k	Misc routines - PASCAL
Z05.38	GETINT	.LIB	1k	Misc routines - PASCAL
Z05.39	PADSTR	.LIB	1k	Misc routines - PASCAL
Z05.40	STRVAL	.LIB	1k	Misc routines - PASCAL
Z05.41	HANOI	.COM	4k	Demonstrating recursive procedures

Z05.42	HANOI .PAS	2k	Demo - recursive procedures
Z05.43	DIS .ASM	44k	TDL DISASsembler - see ABSTRACT.005
Z05.44	DIS .DOC	5k	TDL DISASsembler
Z05.45	CONFER .COM	9k	CONFERENCE scheduler
Z05.46	CONFER .PAS	6k	CONFERENCE scheduler
Z06 5524	-CATALOG.006	2k	Contents of Pascal Z Users Group Volume 06
Z06	-CATALOG.ACK	1k	Acknowledgement file
Z06	ABSTRACT.006	4k	Descriptive Contents of Volume 06
Z06.01	COMPLEX .LIB	5K	COMPLEX number utility
Z06.02	CURSOR .LIB	2K	CURSOR control for SD sales video
Z06.03	CURSOR .PAS	3K	PASCAL source for CURSOR control
Z06.04	CURSOR .COM	7K	Object for CURSOR control
Z06.05	FINDBAD .MAC	7K	Locate BAD sectors under CP/M 2.X
Z06.06	FINDBAD .COM	2K	Object to locate BAD sectors under CP/M 2
Z06.07	LONGLINE.PAS	2K	Concatenation Demo
Z06.08	LONGLINE.COM	7K	Object for concatenation Demo
Z06.09	NAD4 .PAS	9K	Name Address data entry
Z06.10	NAD4 .COM	9K	Object for Name Address data entry
Z06.11	OTHELLO .PAS	6K	OTHELLO - UCSD version
Z06.12	OTHELL1 .PAS	8K	Othello subroutine
Z06.13	OTHELL2 .PAS	8K	Othello subroutine
Z06.14	OTHELLIN.PAS	8K	Othello INput routine
Z06.15	PTABLE .PAS	1K	TABLE generating Demo
Z06.16	PTABLE .COM	8K	Object for TABLE generating Demo
Z06.17	PTRS2 .PAS	4K	Pointer DEMO program
Z06.18	PTRS2 .COM	5K	Object for Pointer Demo program
Z06.19	QQSORT .PAS	4K	PASCAL - Quicker SORT
Z06.20	QQSORT .LIB	3K	Subroutines for PASCAL - Quicker SORT
Z06.21	QQSORT .COM	8K	Object for PASCAL - Quicker SORT
Z06.22	QSORT .COM	7K	PASCAL - SORT
Z06.23	QSORT .LIB	1K	Subroutines for PASCAL SORT
Z06.24	QSORT .PAS	7K	Source for PASCAL SORT
Z06.25	RCPDAT .XXX	2K	RECIPE program DATA
Z06.26	RCPDAT .YYY	1K	RECIPE program DATA
Z06.27	RCPDAT .MST	1K	RECIPE program
Z06.28	RECIPE .COM	15K	RECIPE program
Z06.29	RECIPE .PAS	20K	Source for RECIPE program
Z06.30	SHELL .PAS	3K	PASCAL SHELL sort
Z06.31	SHELL .COM	7K	Object PASCAL SHELL sort
Z06.32	SHELL .LIB	1K	Subroutines for PASCAL SHELL sort
Z06.33	SNOOPY81.CAL	5K	1981 SNOOPY CALendar
Z06.34	XREF .PAS	10K	Source for cross REFERENCE program
Z06.35	XREF .COM	14K	Cross REFERENCE program
Z06.36	ZCOMPAR .PAS	2K	Source for PASCAL file COMPARE utility
Z06.37	ZCOMPAR .COM	7K	PASCAL file COMPARE utility
Z06.38	F1 .DAT	1K	Demo for ZCOMPAR
Z06.39	F2 .DAT	1K	Demo for ZCOMPAR
Z07 5525	-CATALOG.007	2k	Contents of Pascal Z Users Group Volume 07
Z07	-CATALOG.ACK	1k	Acknowledgement file
Z07	ABSTRACT.007	3k	Comments on Pascal Z Volume 07
Z07	CRCKFILE.007	1k	CRC of Pascal Z Volume 07
Z07.01	DATABASE.DOC	32K	DATABASE SEED program DOC by DR. BOWLES
Z07.02	DBBUILDE.CPM	22K	DATABASE SEED BUILDER by DR. BOWLES
Z07.03	DBDEMO .CPM	1K	DATABASE SEED DEMO by DR. BOWLES
Z07.04	DBUNIT .1	8K	DATABASE SEED program by DR. BOWLES
Z07.05	DBUNIT .2	19K	DATABASE SEED program by DR. BOWLES
Z07.06	DBUNIT .3	22K	DATABASE SEED program by DR. BOWLES
Z07.07	DBUNIT .4	17K	DATABASE SEED program by DR. BOWLES
Z07.08	DBUNIT .CPM	1K	DATABASE SEED program by DR. BOWLES
Z07.09	SGEN .COM	2K	BIOS for greater than 2 system tracks
Z07.10	SGEN .MAC	10K	MAC source for multi-track BIOS
Z07.11	MACROZ .MAC	18K	MACROS for generating multi-track BIOS
Z07.12	CLIB .MAC	9K	MACROS for generating multi-track BIOS
Z07.13	SGEN .DOC	5K	DOC for generating SGEN for multi-track BIOS

Z07.14	BSORT	.ASM	40K	Fixed length disk SORT program source
Z07.15	BSORT	.COM	4K	Fixed length disk SORT program
Z07.16	BSORT	.NOT	4K	Fixed length disk SORT program
Z07.17	PGLST	.PAS	3K	Print format program source
Z07.18	PGLST	.COM	8K	Print format program
Z07.19	PGLST	.NOT	1K	Print format program
Z07.20	W3UA	.LIB	6K	Data file for PGLST
Z08 585 17	-CATALOG.008		1k	Contents of Pascal Z Users Group Volume 8
Z08	-CATA008.ACK		2k	Acknowledgement file SEE 586MUS V.27
Z08	CRCKLIST.008		1k	Checksum file
Z08.01	AND	.SRC	2K	AND utility routine
Z08.02	APUT	.SRC	16K	APU test routine
Z08.03	ATSLIB	.REL	1K	Advanced Terminal system LIBrary file
Z08.04	BITTER	.SRC	2K	Outputs binary word to console as string
Z08.05	CONSRC	.DOC	51K	Confidence tests operation manual
Z08.06	CONTESTS.COM		27K	Main driver for ATS confidence tests
Z08.07	CONTESTS.PAS		30K	Main driver for ATS confidence tests
Z08.08	CPUTST	.SRC	11K	CPU TEST routine used in the MCP
Z08.09	CRCGEN	.ASM	7K	Down-loads CRC program to GCP & begins execution
Z08.10	DTST	.PAS	1K	Disk TEST routine
Z08.11	GETCHAR	.SRC	1K	Utility routine
Z08.12	GOCRCGEN.ASM		8K	Begins execution
Z08.13	LIB	.REL	1K	PASCAL Z LIBrary file
Z08.14	LOGIAND	.SRC	1K	Logical AND utility routine
Z08.15	LOGIOR	.SRC	1K	Logical OR utility routine
Z08.16	MEMTST	.SRC	17K	MCP ram TEST routine
Z08.17	SERT	.SRC	9K	UART test routine
Z08.18	TESTSAVE.ASM		7K	SAVE GCPMON as down-loadable COM file

Z09 586 28	-CATALOG.009			Contents of Pascal Z Users Group volume 9
Z09	-CATA009.ACK			Acknowledgement file SEE 586MUS V.28
Z09	CRCKLIST.009			Checksum file
Z09.01	LIBRARY	.DOC	4K	A small Library
Z09.02	ASL	.REL	2K	A small Library
Z09.03	CHAIN	.REL	1K	A Small Library
Z09.04	CHAIN	.SUB	1K	A Small Library
Z09.05	COMPILE	.SUB	1K	A small Library
Z09.06	HALT	.REL	1K	A small Library
Z09.07	HALT	.SRC	1K	A small Library
Z09.08	LIFE	.COM	10K	Variations of LIFE
Z09.09	LIFE	.PAS	9K	Variations of LIFE
Z09.10	LIFE-C	.COM	10K	Variations of LIFE
Z09.11	LIFE-C	.C	7K	Variations of LIFE
Z09.12	CAVE0		1K	CAVE update
Z09.13	CAVE1		1K	CAVE update
Z09.14	CAVE2		1K	CAVE update
Z09.15	CAVE3		1K	CAVE update
Z09.16	CAVE4		1K	CAVE update
Z09.17	CAVE5		1K	CAVE update
Z09.18	WADUZIT	.COM	6K	Waduzit do?
Z09.19	WADUZIT	.DOC	4K	Waduzit do?
Z09.20	WADUZIT	.PAS	7K	Waduzit do?
Z09.21	NAD	.COM	18K	NAD Accounts Receivable system
Z09.22	NAD	.PAS	12K	NAD Accounts Receivable system
Z09.23	NAME&ADD	.DOC	6K	NAD Accounts Receivable system
Z09.24	RECEIVAB	.COM	25K	NAD Accounts Receivable system
Z09.25	RECEIVAB	.PAS	17K	NAD Accounts Receivable system
Z09.26	ACTTREC	.DOC	12K	NAD Accounts Receivable system
Z09.27	DISKBILL	.PAS	20K	Simple doctor BILLing programs
Z09.28	RECMARK	.PAS	9K	Simple doctor billing programs
Z09.29	ANDMSK	.SRC	1K	Home remote control programs
Z09.30	EXORG	.SRC	2K	Home remote control programs
Z09.31	COMPARE	.PAS	3K	Home remote control programs
Z09.32	ORMSK	.SRC	1K	Home remote control programs
Z09.33	REMOTE	.SRC	2K	Home remote control programs

Z09.34	PROG	.DOC	2K	Home remote control programs
Z10 5562	-CATALOG.010			Contents of Pascal Z Users Group volume 10
Z10.01	ABSTRACT.010			Pascal Z Users Group commentary SEE 526M45 U.62
Z10.02	DTST .COM	3K		Disk TEST diagnostic
Z10.03	DTST .DOC	12K		Disk TEST diagnostic
Z10.04	DTST .Z80	23K		Disk TEST diagnostic
Z10.05	DOCOMM .PAS	5K		Formatting program
Z10.06	DOCOMM .REL	3K		Formatting program
Z10.07	DOTEXT .PAS	5K		Formatting program
Z10.08	DOTEXT .REL	3K		Formatting program
Z10.09	GLOBALS .TOP	5K		Formatting program
Z10.10	KFORMAT .COM	18K		Formatting program
Z10.11	KFORMAT .DOC	6K		Formatting program
Z10.12	KFORMAT .PAS	6K		Formatting program
Z10.13	KFORMAT .REL	6K		Formatting program
Z10.14	KFORMAT .SUB	1K		Formatting program
Z10.15	KFORMAT .SYM	3K		Formatting program
Z10.16	KFORMAT .TYP	1K		Formatting program
Z10.17	STDFUNC .TOP	1K		Formatting program
Z10.18	STDIO .PAS	4K		Formatting program
Z10.19	STDIO .PRM	1K		Formatting program
Z10.20	STDIO .REL	4K		Formatting program
Z10.21	PARTA .PAS	15K		Pretty Print
Z10.22	PARTB .PAS	17K		Pretty Print
Z10.23	PARTC .PAS	11K		Pretty Print
Z10.24	PRETTY .DOC	10K		Pretty Print
Z10.25	PRETTY .PAS	1K		Pretty Print

Z11 5563	-CATALOG.011			Contents of Pascal Z Users Group volume 11
Z11	ABSTRACT.011			Pascal Z commentary SEE 526M45 U.63
Z11.01	ALPHABET.COM	9K		NAD program
Z11.02	ALPHABET.PAS	5K		NAD program
Z11.03	NAD-3 .COM	26K		NAD program
Z11.04	NAD-3 .PAS	23K		NAD program
Z11.05	NAD3ADD .DOC	11K		NAD program
Z11.06	RECEIVA1.COM	28K		NAD program
Z11.07	RECEIVA1.DOC	10K		NAD program
Z11.08	RECEIVA1.PAS	21K		NAD program
Z11.09	COPYFST3.ASM	26K		Fast COPY program
Z11.10	COPYFST3.COM	2K		Fast COPY program
Z11.11	COPYFST3.DOC	26K		Fast COPY program
Z11.12	FCOUNT .PAS	10K		Character/line COUNT in file
Z11.13	FILEDUMP.PAS	2K		File DUMP utility
Z11.14	FINDHI .PAS	5K		Search for leading bit
Z11.15	NEWFILE .PAS	1K		Quick NEWFILE create program
Z11.16	REMOVECC.PAS	10K		Digraphs of unprintable characters
Z11.17	TRIMCOLS.PAS	8K		TRIMs COLUMN Length

Z12 5564	-CATALOG.012			Contents of Pascal Z Users Group volume 12
Z12	ABSTRACT.012			Pascal Z Users Group commentary SEE 526M45 U.64
Z12.01	INSTALL .PAS	4K		NAD extensions
Z12.02	INSTALL .COM	9K		NAD extensions
Z12.03	LABEL .PAS	4K		NAD extensions
Z12.04	LABEL .COM	10K		NAD extensions
Z12.05	LOCATE .PAS	5K		NAD extensions
Z12.06	LOCATE .COM	14K		NAD extensions
Z12.07	LOCACCTS.PAS	4K		NAD extensions
Z12.08	LOCACCTS.COM	12K		NAD extensions
Z12.09	QUERY .PAS	1K		PASCAL utilities
Z12.10	QUERY .SRC	3K		PASCAL utilities
Z12.11	INTEGER .PAS	1K		PASCAL utilities
Z12.12	INTEGER .SRC	3K		PASCAL utilities
Z12.13	CLEAR .PAS	1K		PASCAL utilities
Z12.14	PROMPT .PAS	1K		PASCAL utilities

Z12.16	ERASE	.PAS	1K	PASCAL utilities
Z12.17	ERASE	.SRC	2K	PASCAL utilities
Z12.18	REPCCHAR	.PAS	1K	PASCAL utilities
Z12.19	REPCCHAR	.SRC	2K	PASCAL utilities
Z12.20	MOVE	.PAS	1K	PASCAL utilities
Z12.21	MOVE	.SRC	1K	PASCAL utilities
Z12.22	LCASE	.PAS	1K	Basic equivalents
Z12.23	LCASE	.SRC	3K	Basic equivalents
Z12.24	UCASE	.PAS	1K	Basic equivalents
Z12.25	UCASE	.SRC	3K	Basic equivalents
Z12.26	STR	.PAS	2K	Basic equivalents
Z12.27	STR	.SRC	6K	Basic equivalents
Z12.28	SPACE	.PAS	1K	Basic equivalents
Z12.29	SPACE	.SRC	2K	Basic equivalents
Z12.30	POWER	.PAS	1K	Basic equivalents
Z12.31	POWER	.SRC	4K	Basic equivalents
Z12.32	RIGHT	.PAS	1K	Basic equivalents
Z12.33	RIGHT	.SRC	3K	Basic equivalents
Z12.34	MID	.PAS	1K	Basic equivalents
Z12.35	MID	.SRC	3K	Basic equivalents
Z12.36	LEFT	.PAS	1K	Basic equivalents
Z12.37	LEFT	.SRC	3K	Basic equivalents
Z12.38	INPUT	.PAS	1K	Basic equivalents
Z12.39	CORRECT	.PAS	1K	Basic equivalents
Z12.40	XREF	.PAS	19K	Cross REFerence
Z12.41	XREF	.COM	28K	Cross REFerence
Z12.42	HANDCALC	.PAS	14K	Scientific CALCulator
Z12.43	HANDCALC	.COM	24K	Scientific CALCulator
Z12.44	RANDOM	.SRC	2K	RANDOM number generation
Z12.45	RANDOM	.REL	1K	RANDOM number generation
Z12.46	RANDOM	.LIB	1K	RANDOM number generation
Z12.47	RANTEST	.COM	9K	RANdom number TEST program
Z12.48	RANTEST	.PAS	1K	RANdom number TEST program

Z13 516 69	-CATALOG	.D13		Contents of Pascal Z Users Group volume 13
Z13	ABSTRACT	.D13		Notes on Pascal Z volume 13 SEE SIMUL V.69
Z13.01	ANIMALS	.COM	20K	Animal game
Z13.02	ANIMALS	.PAS	39K	Animal game
Z13.03	BEASTS	.QQQ	2K	Animal game
Z13.04	BEASTS	.QQX	1K	Animal game
Z13.05	BENCH	.COM	4K	Prime number generator
Z13.06	BENCH	.PAS	2K	Prime number generator
Z13.07	CUB++	.DAT	1K	3D computer graphics
Z13.08	CUBE1	.DAT	1K	3D computer graphics
Z13.09	CUBE2	.DAT	1K	3D computer graphics
Z13.10	UTIL	.PAS	2K	3D computer graphics
Z13.11	FILES	.PAS	3K	3D computer graphics
Z13.12	GRAPHICS	.COM	34K	3D computer GRAPHICS
Z13.13	GRAPHICS	.PAS	4K	3D computer GRAPHICS
Z13.14	INIT	.PAS	1K	3D computer graphics
Z13.15	MAKE	.PAS	14K	3D computer graphics
Z13.16	PYRAMID	.DAT	1K	3D computer graphics
Z13.17	SOLID	.DAT	3K	3D computer graphics
Z13.18	INSTALL	.COM	18K	Terminal INSTALLation program
Z13.19	INSTALL	.DOC	4K	Terminal INSTALLation program
Z13.20	INSTALL	.PAS	20K	Terminal INSTALLation program
Z13.21	LEGAME	.COM	14K	Terminal installation program
Z13.22	LEGAME	.PAS	12K	Terminal installation program
Z13.23	TERMINFO	.PRM	3K	TERMinal installation information
Z13.24	TERMIO	.FIL	1K	TERMinal installation program
Z13.25	TERMIO	.LIB	2K	TERMinal installation program
Z13.26	TERMIO	.PAS	4K	TERMinal installation program
Z13.27	TERMIO	.VAR	1K	TERMinal installation program
Z13.28	MILEAGE	.COM	8K	Averaging MPG computation
Z13.29	MILEAGE	.PAS	3K	Averaging MPG computation

Z13.31	TREE2	.PAS	4K	Binary TREE structure	
Z14 <i>55671</i>	-CATALOG.014			Contents of Pascal Z Users Group volume 14	
Z14	ABSTRACT.014			Notes on Pascal Z volume 14	<i>SEE 556M45 V.71</i>
Z14	CRCK	.COM		CRC generation program	
Z14.01	AGE	.COM	12K	AGE computation	
Z14.02	AGE	.PAS	3K	AGE computation	
Z14.03	BITBANG	.REL	1K	BIT manipulation for PASCAL Z	
Z14.04	BITBANG	.SRC	4K	BIT manipulation for PASCAL Z	
Z14.05	DEMO	.COM	7K	Bit manipulation DEMO	
Z14.06	DEMO	.PAS	2K	Bit manipulation DEMO	
Z14.07	TEST	.COM	7K	Bit TEST program	
Z14.08	TEST	.PAS	2K	Bit TEST program	
Z14.09	DATA	.COM	39K	Statistical analysis database	
Z14.10	DATA	.PAS	27K	Statistical analysis database	
Z14.11	LISP	.PAS	26K	LISP - in PASCAL!	
Z14.12	PROFILE	.COM	12K	Program optimization analysis	
Z14.13	PROFILE	.DOC	7K	Program optimization analysis	
Z14.14	PROFILE	.PAS	4K	Program optimization analysis	
Z14.15	PROMAIN	.SRC	12K	Program optimization analysis	
Z14.16	RANDOMIZ	.PAS	1K	RANDOM number generation function	
Z14.17	RNDMIZER	.PAS	1K	RANDOM number generation function	
Z14.18	STATISTI	.COM	27K	STATISTICAL analysis package	
Z14.19	STATISTI	.PAS	16K	STATISTICAL analysis package	
Z14.20	STATPACK	.PAS	3K	STATistical analysis PACKage	
Z14.21	TREE4	.COM	11K	Demo program	
Z14.22	TREE4	.PAS	9K	Demo program	
Z15 <i>55672</i>	-CATALOG.015			Contents of Pascal Z Users Group volume 15	<i>SEE 556M45 V.72</i>
Z15	ABSTRACT.015			Comments from Pascal Z Users Group on volume 15	
Z15.01	/	.ASM	4K	Extended SUBMIT	
Z15.02	/	.COM	1K	Extended SUBMIT	
Z15.03	ACOUSTIC	.PAS	6K	Acoustic DCMODEM program	
Z15.04	CCP	.MAC	18K	Notes on CCP	
Z15.05	CHECKBK	.COM	19K	Checkbook program	
Z15.06	CHECKBK	.PAS	11K	Checkbook program	
Z15.07	CIRCQUE	.PAS	2K	CIRCular QUEue	
Z15.08	CLOCK	.PAS	7K	CLOCK chip MSM5382	
Z15.09	CPMEQUS	.LIB	1K	Notes on CP/M	
Z15.10	CRT	.PAS	3K	Cursor control	
Z15.11	DCMODEM	.PAS	6K	DC Hayes MODEM program	
Z15.12	FMAP	.COM	4K	Updated catalog mapper	
Z15.13	IF	.COM	1K	Extended SUBMIT	
Z15.14	KALENDER	.COM	12K	Calendar program	
Z15.15	KALENDER	.DOC	1K	Calendar program documentation	
Z15.16	KALENDER	.PAS	7K	Calendar program	
Z15.17	NEWDISC	.COM	12K	Serialization for FMAP	
Z15.18	NEWDISC	.DOC	3K	Documentation of serialization for FMAP	
Z15.19	NEWDISC	.PAS	19K	Serialization for FMAP	
Z15.20	NOTATE	.ASM	3K	Add comments to ASM files	
Z15.21	NOTATE	.COM	1K	Add comments to ASM files	
Z15.22	PARMS	.PAS	3K	Parsing input	
Z15.23	PAY	.COM	9K	Mortgage PAYment program	
Z15.24	PAY	.PAS	2K	Mortgage PAYment program	
Z15.25	REPEAT	.COM	1K	Perform SUBMIT 'n' times	
Z15.26	REPEAT	.DOC	1K	Perform SUBMIT 'n' times	
Z15.27	TERMINAL	.COM	9K	Dumb TERMINAL program	
Z15.28	TERMINAL	.PAS	5K	Dumb TERMINAL program	
Z15.29	UTILITY	.PAS	1K	Lower to upper case	
Z15.30	XREFPRN	.ASM	23K	Direct output to printer	
Z15.31	XREFPRN	.COM	3K	Direct output to printer	
Z16 <i>55670</i>	-CATALOG.016			Contents of Pascal Z Users Group volume 16	<i>SEE 556M46 V.70</i>
Z16	ABSTRACT.016			Comments from Pascal Z Users Group on volume 16	
Z16	CRC	.COM		Checksum program	
Z16.01	ARTIL	.DOC	3K	Simulated 2 player ARTILLer dual	

Z16.02	ARTIL/M .PAS	10K	Simulated 2 player ARTILLery duel
Z16.03	ARTIL/Z .COM	13K	Simulated 2 player ARTILLery duel
Z16.04	ARTIL/Z .PAS	11K	Simulated 2 player ARTILLery duel
Z16.05	CALENDAR.DOC	2K	Snoopy and pinup
Z16.06	CHECKLN .COM	8K	Write dollar amounts in text form
Z16.07	CHECKLN .PAS	4K	Write dollar amounts in text form
Z16.08	CONACT .PSP	1K	PASCAL/M & UCSD console ctl for Micro-Term ACT-IV
Z16.09	CONSOLE .DOC	4K	PASCAL/M & UCSD console ctl for Micro-Term ACT-IV
Z16.10	GOTOXY .PSP	2K	PASCAL/M & UCSD console ctl for Micro-Term ACT-IV
Z16.11	PINUP82 .CAL	9K	1982 - bare facts CALENDAR
Z16.12	RANDOM .PSP	1K	RANDOM number generator
Z16.13	SAMPLE .DOC	5K	Speed tests in a variety of languages
Z16.14	SAMPLE/C.BAS	2K	Speed tests in a variety of languages
Z16.15	SAMPLE/C.C	1K	Speed tests in a variety of languages
Z16.16	SAMPLE/C.COM	4K	Speed tests in a variety of languages
Z16.17	SAMPLE/M.PAS	1K	Speed tests in a variety of languages
Z16.18	SAMPLE/N.BAS	1K	Speed tests in a variety of languages
Z16.19	SAMPLE/S.BAS	2K	Speed tests in a variety of languages
Z16.20	SAMPLE/S.COM	3K	Speed tests in a variety of languages
Z16.21	SAMPLE/Z.COM	6K	Speed tests in a variety of languages
Z16.22	SAMPLE/Z.PAS	1K	Speed tests in a variety of languages
Z16.23	SIGHTRED.COM	15K	Spherical triangle calcs - celestial navigation
Z16.24	SIGHTRED.DOC	2K	Spherical triangle calcs - celestial navigation
Z16.25	SIGHTRED.PAS	4K	Spherical triangle calcs - celestial navigation
Z16.26	SNOOPY82.CAL	5K	Last chance for 1982
Z16.27	SORT .DOC	2K	Modification of NAD-3 (name and address)
Z16.28	SORT .PAS	4K	Modification of NAD-3 (name and address)
Z16.29	SRTprt .PAS	2K	Modification of NAD-3 (name and address)
Z16.30	TED .COM	17K	Simple text Editor
Z16.31	TED .DOC	23K	Simple text Editor

Z17 55691	-CATALOG.017		Contents of Pascal Z UG volume 17 <i>SEE S56M46 V.81</i>
Z17	ABSTRACT.017		Comments from Pascal Z UG on volume 17
Z17.01	CONSTS .PAS	1K	Constant declarations
Z17.02	COPY .SRC	4K	Text COPY procedure
Z17.03	DISK .DOC	11K	Documentation file for this disk
Z17.04	FF .COM	6K	Resets printer, issues FF for IDS 'Paper Tiger'
Z17.05	FF .PAS	1K	Resets printer, issues FF for IDS 'Paper Tiger'
Z17.06	FF .SUB	1K	Resets printer, issues FF for IDS 'Paper Tiger'
Z17.07	GETFILES.PAS	2K	Read FILE names
Z17.08	IMPLEMNT.DOC	5K	Documentation file for GETFILES
Z17.09	PP .COM	19K	Pretty print
Z17.10	PP .PAS	20K	Pretty print
Z17.11	PP .SUB	1K	Pretty print
Z17.12	PRETTY .SUB	1K	Pretty print
Z17.13	PRINT .COM	12K	PRINT utility - set for IDS 'Paper Tiger'
Z17.14	PRINT .PAS	7K	PRINT utility - set for IDS 'Paper Tiger'
Z17.15	PRINT .SUB	1K	PRINT utility - set for IDS 'Paper Tiger'
Z17.16	PROCS .PAS	2K	Declares procedures
Z17.17	SPACE .SRC	1K	Determines free SPACE
Z17.18	SYSTEM .TEX	9K	Test processor
Z17.19	SYSTP .TEX	45K	Test processor
Z17.20	SYSUT .TEX	9K	Test processor
Z17.21	TP .COM	25K	Test processor
Z17.22	TP .PAS	40K	Test processor
Z17.23	TP .SUB	1K	Test processor
Z17.24	TYPES .PAS	1K	TYPE definitions
Z17.25	XREF .COM	11K	Cross REFERENCE program
Z17.26	XREF .PAS	6K	Cross REFERENCE program
Z17.27	XREF .SUB	1K	Cross REFERENCE program

Z18 55682	-CATALOG.018		Contents of Pascal Z volume 18 - October 27, 1982
Z18	CRC .COM		CRC generation program <i>SEE S56M46 V.82</i>
Z18	ABSTRACT.018		Comments on Pascal Z volume 18
Z18.01	ARCTAN .INT	1K	External ARCTANgent function
Z18.02	ARCTAN .PAS	2K	External ARCTANgent function

Z18.03	CONVERTM	.INT	4K	Microsoft CONVERT utility
Z18.04	COS	.INT	1K	External COSine function
Z18.05	COS	.PAS	2K	External COSine function
Z18.06	CUSTOMIZ	.INT	1K	System CUSTOMIZAtion
Z18.07	DEBUG	.INT	1K	DEBUG procedure
Z18.08	ERASE	.INT	1K	File ERASE
Z18.09	EXEC	.COM	23K	Run time enviornment
Z18.10	EXP	.INT	2K	External EXPonentiation function
Z18.11	EXP	.PAS	2K	External EXPonentiation function
Z18.12	JGRAF	.INT	5K	GRAph preparation - external procedure
Z18.13	JGRAF	.PAS	8K	GRAph preparation - external procedure
Z18.14	JRTASM	.INT	16K	JRT ASseMbler
Z18.15	JRTPAS2	.COM	21K	JRT PASCAL compiler
Z18.16	JSTAT	.INT	1K	STATistics - external procedure
Z18.17	JSTAT	.PAS	3K	STATistics - external procedure
Z18.18	LETTERS	.INT	2K	Block LETTERS procedure
Z18.19	LINKER	.INT	4K	LINKER
Z18.20	LN	.INT	1K	External Logrithym function
Z18.21	LN	.PAS	2K	External Logrithym function
Z18.22	PASCAL	.LIB	13K	JRT PASCAL compiler components
Z18.23	PASCALO	.INT	21K	JRT PASCAL compiler components
Z18.24	PASCAL1	.INT	7K	JRT PASCAL compiler components
Z18.25	PASCAL2	.INT	5K	JRT PASCAL compiler components
Z18.26	PASCAL3	.INT	9K	JRT PASCAL compiler components
Z18.27	PASCAL4	.INT	1K	JRT PASCAL compiler components
Z18.28	RENAME	.INT	1K	RENAME a file
Z18.29	RESETBIT	.ASM	1K	Sample ASM procedure
Z18.30	SETBIT	.ASM	1K	Sample ASM procedure
Z18.31	SIN	.INT	1K	External SINE function
Z18.32	SIN	.PAS	1K	External SINE function
Z18.33	SQRT	.INT	1K	External SQUare RoOT function
Z18.34	SQRT	.PAS	1K	External SQUare RoOT function
Z18.35	TESTBIT	.ASM	1K	Sample ASM procedure

Z19 88685	-CATALOG	.019		Contents of ZUG volume 19 - November 3, 1982
Z19	ABSTRACT	.019		Comments from Pascal Z UG
Z19.01	TREE5	.COM	14K	Binary tree w/disc storage, delete & relink
Z19.02	TREE5	.DOC	4K	Binary tree w/disc storage, delete & relink
Z19.03	TREE5	.PAS	7K	Binary tree w/disc storage, delete & relink
Z19.04	DISC	.PAS	3K	Disc storage for TREE5
Z19.05	ORDER	.PAS	1K	Relink for TREE5
Z19.06	DELETE	.PAS	2K	Delete for TREE5
Z19.07	MENU	.PAS	3K	Menu for TREE5
Z19.08	DATA	.DAT	2K	Data for TREE5
Z19.09	SIGNS	.COM	10K	Print string of 7 letters in large type
Z19.10	SIGNS	.DOC	3K	Print string of 7 letters in large type
Z19.11	SIGNS	.PAS	4K	Print string of 7 letters in large type
Z19.12	FONT	.DAT	1K	Font for SIGNS
Z19.13	RUNOFF	.COM	21K	Text formatter patterned after DEC PDP-11 program
Z19.14	RUNOFF	.DOC	27K	Text formatter patterned after DEC PDP-11 program
Z19.15	RUNOFF	.PAS	27K	Text formatter patterned after DEC PDP-11 program
Z19.16	RUNOFF	.SUB	1K	Text formatter patterned after DEC PDP-11 program
Z19.17	PASDIR	.COM	6K	Reads directory
Z19.18	PASDIR	.PAS	2K	Reads directory
Z19.19	REMOVECC	.COM	10K	Remove/change high bits or control chars
Z19.20	REMOVECC	.PAS	10K	Remove/change high bits or control chars
Z19.21	TRIMCOLS	.COM	11K	Trims right column or trailing blanks
Z19.22	TRIMCOLS	.PAS	8K	Trims right column or trailing blanks
Z19.23	SUPERSUB	.COM	3K	Expanded SUBMIT
Z19.24	SUPERSUB	.ASM	20K	Expanded SUBMIT
Z19.25	XSUB	.COM	8K	Executes external programs via SUBMIT program
Z19.26	XSUB	.PAS	6K	Executes external programs via SUBMIT program
Z19.27	PAUSE	.COM	1K	Stops program, puts note on console, awaits input
Z19.28	PAUSE	.SRC	1K	Stops program, puts note on console, awaits input

Z20 88694	-CATALOG	.020	2K	Contents of Pascal Z Users Group volume 20
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SEE 88645
V.85

SEE
88645 V.94

Z20	ZUGVOL	.020	4K	Comments on programs in this volume
Z20.01	TERMS	.DOC	17K	DOC for dictionary of medical words/phrases
Z20.02	TERMS	.PAS	6K	Create dictionary of medical lab words/phrases
Z20.03	TINIT	.PAS	6K	Initialization for TERMS
Z20.04	TPRINT	.PAS	7K	PRINT program for TERMS
Z20.05	TER	.PAS	32K	Terminal interface program for TERMS
Z20.06	SUB	.COM	13K	Menu file to run major CP/M command files
Z20.07	SUB	.PAS	8K	Menu file to run major CP/M command files
Z20.08	HOLD	.COM	6K	Use w/SUB keeps responses from scroll off screen
Z20.09	HOLD	.PAS	1K	Use w/SUB keeps responses from scroll off screen
Z20.10	EPSON	.COM	8K	Epson MX menu file - compressed/emphasized print
Z20.11	EPSON	.PAS	3K	Epson MX menu file - compressed/emphasized print
Z20.12	OKI	.COM	8K	Okidata 82/83 menu file - compressed print etc
Z20.13	OKI	.PAS	3K	Okidata 82/83 menu file - compressed print etc
Z20.14	INDEXER	.COM	17K	Creates an index for any book
Z20.15	INDEXER	.DOC	13K	Creates an index for any book
Z20.16	INDEXER	.PAS	26K	Creates an index for any book
Z20.17	INDEXER	.SUB	1K	Creates an index for any book
Z20.18	PZKEY	.INX	4K	Creates an index for any book
Z20.19	PZKEY	.TRE	4K	Creates an index for any book
Z20.20	MEMAVAIL	.SRC	2K	Difference between top of user mem and stack
Z20.21	PAUSE	.SRC	1K	Msg to console, wait for keypressed, ret to CP/M
Z20.22	PAUSE	.COM	1K	Msg to console, wait for keypressed, ret to CP/M
Z20.23	XSUB	.COM	8K	Execution of external command programs
Z20.24	XSUB	.PAS	6K	Execution of external command programs
Z20.25	SUBMIT	.P	2K	PIP,STAT,DIR via submit generated w/users program
Z20.26	SUPERSUB	.COM	3K	Replacement for the submit program
Z20.27	SUPERSUB	.ASM	20K	Replacement for the submit program
Z20.28	DIRSCAN	.COM	5K	Scans the directory
Z20.29	DIRSCAN	.PAS	3K	Scans the directory
Z20.30	XDIRSCAN	.SRC	2K	Scans the directory

Z21	<i>SEE 95</i>	-CATALOG.021	2k	Contents of Pascal Z Users Group volume 21 <i>SEE 95</i>
Z21		ZUGVOL .021	2K	Comments on programs in this volume
Z21.01		CROWE .Z80	142K	CROWE Z80 Assembler
Z21.02		CROWE2 .COM	12K	CROWE Z80 Assembler
Z21.03		CROWELET.TXT	4K	CROWE Z80 Assembler
Z21.04		CROWLINK.Z80	8K	CROWE Z80 Assembler linker
Z21.05		REZ7/31 .ASM	34K	Disassembler with TDL mnemonics
Z21.06		REZ7/31 .DOC	26K	Disassembler with TDL mnemonics
Z21.07		EPROM .ASM	8K	PROM burner example
Z21.08		EPROM .DOC	2K	PROM burner example

Z22	<i>SEE 97</i>	-CATALOG.022	2k	Contents of Pascal Z Users Group volume 22 <i>SEE 97</i>
Z22		ZUGVOL .022	2K	Comments on programs in this volume
Z22.01		CCT .COM	2K	Upgraded COMBINE - small files into a large
Z22.02		CCT .ASM	26K	Upgraded COMBINE - small files into a large
Z22.03		CCT .HEX	5K	Upgraded COMBINE - small files into a large
Z22.04		CROSS .COM	30K	Pascal Z cross ref - indent, line number program
Z22.05		CROSS .DOC	5K	Pascal Z cross ref - indent, line number program
Z22.06		CROSS .PAS	20K	Pascal Z cross ref - indent, line number program
Z22.07		CROSS .SUB	1K	Pascal Z cross ref - indent, line number program
Z22.08		BLOCK .PAS	15K	BLOCK routine for CROSS
Z22.09		INIT .PAS	6K	Initialization routine for CROSS
Z22.10		INSYM .PAS	16K	Input symbol routine for CROSS
Z22.11		SIZE .SRC	1K	Get SIZE routine for CROSS
Z22.12		PURGE .COM	1K	Erase non-COM/PAS after compilation, - on H19
Z22.13		PURGE .DOC	5K	Erase non-COM/PAS after compilation, - on H19
Z22.14		PURGE .MAC	6K	Erase non-COM/PAS after compilation, - on H19
Z22.15		M80LIB00.MAC	19K	MACRO-80 version of Dig Research MAC asm lib
Z22.16		MACRO .LIB	18K	MAC assembler library from Digital Research
Z22.17		FTOSTR .TXT	6K	Floating pt pkg demo
Z22.18		MATHPACK.COM	31K	Floating pt pkg
Z22.19		MATHPACK.PAS	20K	Floating pt pkg

Z23	<i>SEE 131</i>	-CATALOG.023	2K	Contents of Pascal Z Users Group volume 23 <i>SEE 131</i>
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Z23	ZUGVOL	.023	4K	Comments on programs in this volume
Z23.01	ALPH2INT	.PAS	4K	Takes string & if accepted returns integer equiv
Z23.02	BEEP	.SRC	1K	Procedure to ring bell
Z23.03	BLNKSCRN	.SRC	1K	Procedure to blink
Z23.04	CASELIB	.PAS	2K	Accepts char, if LC returns UC, else returns input
Z23.05	CHARIN	.SRC	1K	Procedure to input char
Z23.06	CHAROUT	.SRC	1K	Procedure to output char
Z23.07	CLOCK	.SRC	11K	Calendar clock master program, has menu
Z23.08	CLRHM	.SRC	1K	Procedure to clear screen and homes cursor
Z23.09	CMPTXT	.SRC	2K	compares two ASCII strings of any length
Z23.10	CONFINE	.PAS	1K	Returns standard deviation
Z23.11	CRSR	.SRC	2K	Locates cursor
Z23.12	DATE	.SRC	2K	Uses clock board
Z23.13	DATENTIM	.PAS	3K	prints Date/Time from clock chip OKI MSM
Z23.14	DATENTIM	.SRC	5K	Prints date/time from clock chip OKI MSM
Z23.15	DECOMPOS	.PAS	3K	Matrix funct (algorithm 423) collected Alg of ACM
Z23.16	DIG2INTE	.SRC	1K	Converts ASCII digits to integer values
Z23.17	DRVLOG	.SRC	2K	Routine to determine which drive is logged
Z23.18	GAUSS	.PAS	2K	Generates area under normal probability curve
Z23.19	GETEXT	.SRC	2K	Routine to get text from console
Z23.20	HEXOUT	.SRC	2K	Hex print to console from calling program
Z23.21	INITSEED		1K	Procedure for getting a seed by calling "Time"
Z23.22	KARET	.SRC	1K	Outputs CR/LF to console
Z23.23	KBDIN	.SRC	2K	Checks keyboard, returns with ASCII in A
Z23.24	LEVEL	.PAS	3K	Procedure to use "HIPAD" to print oversize
Z23.25	LEVEL	.SRC	7K	Procedure to use "HIPAD" to print oversize
Z23.26	LITEPEN	.SRC	2K	Function to read port of light pen
Z23.27	MEDIAN	.PAS	2K	Determines median value of the array "List"
Z23.28	MEDIAN	.SRC	4K	Determines median value of the array "List"
Z23.29	MESIJ	.SRC	2K	Prints the message to console
Z23.30	MNANDVAR	.PAS	1K	Procedure to get mean/variance
Z23.31	NAMEDATE	.PAS	2K	Changes integer date to month & day as strings
Z23.32	NAMEDATE	.SRC	5K	Changes integer date to month & day as strings
Z23.33	NEWPAGE	.SRC	1K	No comment
Z23.34	PLOT	.PAS	4K	Plots Y & calc's as functions of X for M points
Z23.35	POINT	.SRC	5K	Reads Hipad via mid-port for X,Y coordinates
Z23.36	POPSTATS	.PAS	9K	Calc's array of real #s via mean, mode, median etc
Z23.37	POPSTATS	.SRC	25K	Calc's array of real #s via mean, mode, median etc
Z23.38	QQSORTR	.PAS	6K	Updated QQSORT by Ray Penley
Z23.39	READQ	.SRC	1K	Reads console but does not wait for CR
Z23.40	READREAL	.PAS	10K	Real var input from console in forgiving manner
Z23.41	RNDKNUTH	.LIB	7K	The Knuth random Gen subtractive method
Z23.42	SELECT	.PAS	5K	Partial sort array, can be used to find Median
Z23.43	SELECT	.SRC	11K	Partial sort array, can be used to find Median
Z23.44	SMOOTH9	.PAS	2K	Performs 9 pt data smoothing on input array
Z23.45	SOLVE	.PAS	2K	Works on vectors, algorithm 423 from ACM
Z23.46	SOLVE	.SRC	6K	Works on vectors, algorithm 423 from ACM
Z23.47	STR2INTE	.SRC	6K	Converts string to integer value
Z23.48	STREAM	.SRC	5K	Reads a stream from Hi-Pad
Z23.49	T2TAILS	.PAS	3K	2-tailed probability for degrees of freedom
Z23.50	TAB	.SRC	1K	Sends a single TAB char
Z23.51	TABS	.SRC	1K	Sends multiple TAB characters
Z23.52	TIME	.SRC	2K	Reads a digit from the clock, put in string
Z23.53	TSTMEDN	.PAS	7K	TEST program for MEDIAN
Z23.54	TSTQSORT	.PAS	2K	TEST program for QQSORTR
Z23.55	USEPLOT	.PAS	2K	Used as shell to Plot
Z23.56	USEWLREG	.PAS	3K	Program to test plot procedures
Z23.57	WAVE	.SRC	5K	Fill array from Hi-Pad in stream mode
Z23.58	WEEKDAY	.PAS	1K	Function to change date to number from 0 to 6
Z23.59	WEEKDAY	.SRC	1K	Function to change date to number from 0 to 6
Z23.60	WLREG	.PAS	3K	Weighted linear regression of Y against X
Z23.61	ZELLER	.PAS	2K	Given a date returns number of days since 0 A.D.
Z23.62	ZELLER	.SRC	3K	Given a date returns number of days since 0 A.D.

Z24 516 132 -CATALOG.024

Z24 ZUGVOL .024

Contents of Pascal Z Users Group volume 24 SEE
Comments on programs in this volume SSCM 46 v.132

Z24.01	BIOMO	.PAS	9K	Monthly bio-graf(tm) program - Epson MX-80 printer
Z24.02	CHECKS	.PAS	26K	Checkbook program
Z24.03	CTOI	.REL	1K	A subsidiary Function for READCMD
Z24.04	DBIOS	.Z80	14K	SD Sales BIOS w/VersFloppy I cntrllr (1771 & 1791)
Z24.05	DEL	.COM	1K	Delete files easily and safely - Try *.*
Z24.06	EXAMPL	.DOC	6K	Checkbook program
Z24.07	EXAMPL	.CHK	1K	Checkbook program
Z24.08	EXAMPL	.NAM	2K	Checkbook program
Z24.09	EPSON	.PAS	3K	Info on the Epson MX-80
Z24.10	EPSON	.COM	8K	Info on the Epson MX-80
Z24.11	GETNUMS	.P	4K	Changes arguments starting w/# to an integer array
Z24.12	GETNUMS	.REL	1K	Changes arguments starting w/# to an integer array
Z24.13	LS	.C	8K	A rather nice program to list your directory
Z24.14	LS	.DOC	2K	A rather nice program to list your directory
Z24.15	LS	.COM	8K	A rather nice program to list your directory
Z24.16	PROM	.FIL	18K	PROM burner example
Z24.17	QUIZ	.TXT	2K	How about something even simpler. Just read it
Z24.18	QUIZANS	.TXT	3K	Answer the questions - 2 missing in Quizans
Z24.19	READCMD	.P	8K	This handles arguments in a command tail
Z24.20	READCMD	.DOC	5K	This handles arguments in a command tail
Z24.21	READCMD	.REL	3K	This handles arguments in a command tail
Z24.22	ROTATE	.BAS	3K	game with sixteen factorial variations
Z24.23	ROTATE	.COM	13K	game with sixteen factorial variations
Z24.24	STUDENT	.PAS	20K	Pascal tutorial program
Z24.25	STUDENT	.COM	19K	Pascal tutorial program
Z24.26	TESTCMD	.PAS	4K	A demo for READCMD
Z24.27	TESTCMD	.COM	14K	A demo for READCMD
Z24.28	WRITNUM	.PAS	3K	John improved a program from Disk #16 and it now
Z24.29	WRITNUM	.COM	9K	Handles up to \$9,999.99 converts data to strings
Z24.30	ZDUMP	.PAS	6K	Dump program with lots of options
Z24.31	ZDUMP	.COM	9K	Dump program with lots of options

Z25 6 13	-CATALOG	.025	2K	Contents of Pascal Z Users Group volume 25 <i>SEE SIGMUG U.133</i>
Z25	ZUGVOL	.025	3K	Comments on programs in this volume
Z25.01	BASICOPS	.PAS	23K	Extended precision floating point package
Z25.02	BUILDF	.PAS	4K	LINEAR utility source file
Z25.03	BYTEOPS	.REL	1K	Extended precision floating point package
Z25.04	BYTEOPS	.SRC	8K	Extended precision floating point package
Z25.05	EDITFEED	.COM	19K	Puts cattle feed data on a disk file
Z25.06	EDITFEED	.PAS	5K	Puts cattle feed data on a disk - source file
Z25.07	EDITFILE	.COM	16K	General purpose data editor for LINEAR program
Z25.08	EDITFILE	.PAS	9K	Sources for EDITFILE and EDITFEED
Z25.09	FEED	.DAT	5K	Sample cattle feed data file
Z25.10	FEEDLOT	.DOC	11K	DOC for cattle feed rations system
Z25.11	FLPTCONS	.PAS	1K	Extended precision floating point package
Z25.12	FLPTDEMO	.COM	28K	Extended precision floating point package
Z25.13	FLPTDEMO	.PAS	3K	Extended precision floating point package
Z25.14	FLPTXT	.PAS	2K	Extended precision floating point package
Z25.15	FLPTPACK	.DOC	7K	Extended precision floating point package
Z25.16	FLPTTYPE	.PAS	1K	Extended precision floating point package
Z25.17	FLPTVAR	.PAS	1K	Extended precision floating point package
Z25.18	INITIAL	.PAS	2K	Initialize LINEAR program
Z25.19	LINEAR	.COM	24K	Computes a least cost balanced ration for cattle
Z25.20	LINEAR	.PAS	8K	computes a least cost balanced ration for cattle
Z25.21	LINTTEST	.DAT	2K	LINEAR test file
Z25.22	METRICS	.COM	24K	excellent METRIC conversion program
Z25.23	METRICS	.PAS	15K	excellent METRIC conversion program
Z25.24	MODIFYF	.PAS	4K	LINEAR utility source file
Z25.25	PRINT	.PAS	2K	Print cattle feed ration data

Z26 6 13	-CATALOG	.026		Contents of Pascal ZUG volume 26 <i>SEE SIGMUG U.134</i>
Z26	ZUGVOL	.026	3K	Pascal Z comments on files
Z26.01	ANIMALS	.COM	26K	Simple game in Pascal Z
Z26.02	ANIMALS	.PAS	41K	Simple game in Pascal Z
Z26.03	BINTOHEX	.PAS	2K	Converts binary character to 2 ASCII hex digits
Z26.04	CHECKS	.COM	9K	Check program in assembly

Z26.05	CHECKS .DOC	20K	Check program in assembly
Z26.06	CHECKS .Z80	53K	Check program in assembly
Z26.07	CLEAN .PAS	9K	Filter characters that upset printer
Z26.08	CLEANPRT.PAS	5K	Filter characters that upset printer
Z26.09	CONVERT .DOC	2K	DOC for some file on this volume
Z26.10	DRVCHK .PAS	2K	Ensures filename prefix char refers to legal drive
Z26.11	EXAMPL .CHK	1K	Check demo to practice on
Z26.12	EXAMPL .DOC	6K	Check demo to practice on
Z26.13	EXAMPL .NAM	2K	Check demo to practice on
Z26.14	GETFILES.PAS	2K	Looked interesting so I threw it in
Z26.15	GLOBALS .INT	1K	Converts integers to STRING
Z26.16	GLOBALS .RN\$	2K	Converts numbers between STRING and REAL
Z26.17	HEXTOBIN.PAS	3K	Converts hex to binary
Z26.18	MACRO .SRC	4K	Some macro's Greg has collected
Z26.19	PASZCODE.INT	4K	Converts integers to STRING
Z26.20	PASZCODE.RN\$	10K	Converts numbers between STRING and REAL
Z26.21	PROFILE .REL	1k	Fills arrays X and Y using Houston HIPAD Digitizer
Z26.22	PROFILE .SRC	8K	Fills arrays X and Y using Houston HIPAD Digitizer
Z26.23	TP .PAS	1K	This program uses PROFILE
Z26.24	TSTAN2 .COM	14K	Regression coefficient converted to slope angle
Z26.25	TSTAN2 .PAS	1K	Regression coefficient converted to slope angle
Z26.26	TRIGLIB .PAS	4K	Seven [7] trig functions

C>

-CATALOG.148 contents of SIG/M Volume 148
released November 4, 1983

ABSTRACT.148 information regarding volume
SIG/M .LIB Donation form
CRC .COM checksum program

index	name	size	crc	description
148.01	BIOSIN .PAS	9K	45 29	Calendar program
148.02	ERASE .COM	8K	8B 97	'User friendly' erase
148.03	ERASE .PAS	6K	D3 A2	/
148.04	INITLISP.	1K	62 14	Updated Lisp in Pascal
148.05	INITLISP.STB	1K	F9 1E	/
148.06	LISP .COM	27K	C6 3B	/
148.07	LISP .DOC	14K	65 23	/
148.08	LISP .PAS	38K	32 A1	/
148.09	PRIME .COM	20K	F3 46	Illustration of public-key
148.10	PRIME .DOC	4K	02 6B	cryptography
148.11	PRIME .PAS	3K	1C 3D	/
148.12	PRIME .TXT	3K	08 7A	/
148.13	PRIME1 .PAS	3K	55 CE	/
148.14	RNDKNUTH.LIB	7K	AD 1E	Random numbers library file
148.15	SIGNS .DOC	4K	E5 63	Formatting program for both
148.16	SIGNS .PAS	6K	7F 7F	80 and 132 col printers
148.17	SIGNS .TXT	4K	55 13	/
148.18	SIGNS11 .COM	10K	50 6C	/
148.19	SIGNS6 .COM	10K	59 CA	/
148.20	FONT .DAT	1K	45 1C	/
148.21	STUDENT2.COM	19K	01 80	Updated Student program
148.22	STUDENT2.PAS	23K	1C 37	/
148.23	TUTOR .PRN	9K	DF 95	/

SIG-M Library -CATALOG Volume Number-148, 23 Files cataloged.

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F>

PUBLIC DOMAIN DISK vol. 1

-PUBLIC 001	0K
2SBIOS24ASM	26K
2SBOOT24ASM	4K
CHAT15 ASM	6K
CP/M-DECD0C	5K
CPMTODECCOM	4K
CPYFIL15ASM	10K
CV ASM	8K
CV DOC	1K
D-24 ASM	17K
DDBIOS ASM	22K
DECTOCPMCOM	4K
DIRF ASM	5K
DU/MAP2 DOC	2K
FAST ASM	20K
FAST COM	2K
FILE-XT2ASM	8K
FILE-XT2COM	1K
ICOPY1 ASM	7K
LISTDEC COM	3K
MEMDIAG ASM	34K
MEMDIAG DOC	12K

More..

MHTIME ASM	13K
NEWQCAT ASM	5K
RELDUMP ASM	8K
TAG ASM	5K
WORM8/8 ASM	7K

27 file(s).

31 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 2k

D> PUBLIC DOMAIN DISK vol. 2

-PUBLIC 002	0K
22CPMCRCDOC	1K
APBYE ASM	24K
APMODEM2ASM	40K
APXMODEMASM	25K
BDOS-PATASM	2K
CCPPATCHASM	1K
CPM/TIP1DOC	18K
CPM/TIP2DOC	7K
CRCK10/6ASM	11K
FINDBD37ASM	27K
FINDBD37COM	2K
MAKESUB2ASM	2K
MLIST42 ASM	12K
RSPEED ASM	3K
S100XREFDOC	3K
SURVEY3 ASM	13K
TFX12/18ASM	21K
USER DOC	1K
USER-8/8ASM	2K
XMODEM39ASM	24K

21 file(s).

35 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 2k

D> PUBLIC DOMAIN DISK vol. 3:

2ABIOS24	ASM	35K
2DBOOT24	ASM	7K
ABIOS24	ASM	35K
COPY	ASM	12K
DBOOT24	ASM	6K
DDUMP	COM	3K
DFORMAT	ASM	9K
DFORMAT	COM	2K
DFRAND	ASM	10K
DTEST	ASM	11K
DTEST	COM	2K
FORMAT	ASM	12K
FORMAT91	ASM	8K
FORTH110	ASM	62K
FORTH110	DOC	2K
MACRO	LIB	16K
SKEW	LIB	1K
WRTSYS	ASM	5K

19 file(s).
38 directory entries remaining.
D>STAT 0:

Bytes Remaining On 0: 3k

D> PUBLIC DOMAIN DISK vol. 4

-PUBLIC 004	0K
BANZAI	ASM 9K
CPYFST37	ASM 34K
CPYFST37	DOC 30K
DIAL	ASM 9K
DU-V77	ASM 42K
DU-V77	DOC 6K
FLS	COM 9K
MODEM527	ASM 40K
SQ	COM 13K
SQUEEZERDQC	16K
SQUPDATE781	3K
STATUS	ASM 8K
STATUS	COM 2K
TYPESQ	COM 8K
USQ15	COM 10K

16 file(s).
41 directory entries remaining.
D>STAT 0:

Bytes Remaining On 0: 2k

D> PUBLIC DOMAIN DISK vol. 5

-PUBLIC 005	0K
BIOSSES	DOC 2K
BYE67	DOC 12K
BYE71	ASM 52K
BYE71	COM 2K
BYE72BUGDOC	1K
FILFND11AQM	11K
NBIOS56	AQM 32K
NBIOSC55AQM	26K
NSCOPY	AQM 23K
NSGEN	AQM 8K
SDNBIOS	AQM 13K
SDNSGEN	AQM 8K
SDNUSER	AQM 5K
SNDBOOT	AQM 2K
SUPERSUBAQM	13K
SUPERSUBDQC	3K

17 file(s)

41 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 28k

D> PUBLIC DOMAIN DISK vol. 6

-PUBLIC	006	0K
C		0K
CLEANUP	COM	1K
CRCK3	AQM	6K
DIF	CQ	11K
DIF	DOC	1K
DIF	RNO	4K
DIRS9/8	AQM	6K
FIND	AQM	6K
MODEM7	DOC	16K
MODEM7	LIB	14K
MODEM7	SET	3K
MODEM76	AQM	47K
PIPPATCHAQM		4K
SSED	CQ	7K
SSED2	COM	11K
USER	DOC	1K
USER-8/8AQM		2K
XMODEM42DOC		2K
XMODEM46DOC		2K
XMODEM49AQM		32K

21 file(s).

40 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 65k

D> PUBLIC DOMAIN DISK vol. 7

-PUBLIC	007	0K
BDLOC	ASM	2K
CCPZ	MOD	2K
ZCPR	AQM	34K
ZCPR	ASM	51K
ZCPR	CRC	1K
ZCPR	DOC	45K
ZCPR	DQC	26K
ZCPR	HLP	15K
ZCPR	HQP	10K
ZCPR	MQG	4K
ZCPR	MSG	6K
ZCPR-11	BUG	1K
ZCPR-BB	DIF	9K
ZCPR-BB	DQF	7K
ZCPR-BB	NOT	5K
ZCPR-BB	NQT	4K
ZCPRBLOCAQM		2K

18 file(s).

38 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 17k

D> PICTURE vol. 1

D> PSA - BRIDGE PICTURE disk 1 of 2

BRIDGE1	PQC	37K
BRIDGE2	PQC	35K
BRIDGE3	PQC	33K
BRIDGE4	PQC	38K
PICTURE2DOC		2K
USQ15	COM	1.7

6 file(s).
50 directory entries remaining.
D>STAT 0:

Bytes Remaining On 0: 86k

~~D>~~
~~PICTURE?~~

~~PICTURE vol. 2~~

D>

D>

PICTURE vol. 1 (CONT.)

D>

PSA - BRIDGE disk 2 of 2

BRIDGE5 PQC 36K

BRIDGE6 PQC 31K

BRIDGE7 PQC 32K

BRIDGE8 PQC 33K

PICTURE2DOC 2K

USQ15 COM 10K

6 file(s).

52 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 97k

~~D>~~

~~D>~~

~~MR.?~~

~~D>~~

~~D>~~

~~PICTURE?~~

~~PICTURE vol. 2~~

~~MR. SPOCK~~

~~PICTURE vol. 2P~~

D>

D>

PICTURE vol. 2

D>

MR. SPOCK disk 1 of 1

PICTURE2DOC 2K

SPOCK1 PQC 38K

SPOCK2 PQC 30K

SPOCK3 PQC 33K

SPOCK4 PQC 18K

USQ15 COM 10K

6 file(s).

52 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 110k

~~D>~~

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~~68000 CROSS ASSEMBLER (promotional sample)~~
~~Runs on CP/M - 80~~

~~PICTURE2DOC 2K~~

~~SPOCK1 PQC 38K~~

~~SPOCK2 PQC 30K~~

~~SPOCK3 PQC 33K~~

~~SPOCK4 PQC 18K~~

~~USQ15 COM 10K~~

~~6 file(s).~~

~~52 directory entries remaining.~~

~~D>~~

~~D>~~

68000 CROSS ASSEMBLER (promotional sample)
Runs on CP/M - 80

~~-README 3K~~

~~-README \$ 3K~~

~~A68K COM 41K~~

~~DATE COM 8K~~

~~DATE DOC 1K~~

~~6 file(s).~~

```

T5      ASM      1K
T5      HEX      1K
T5      PRN      3K
9 file(s).
53 directory entries remaining.
D>STAT 0:

```

Bytes Remaining On 0: 171k

D> CP/M BACK-UP DISK

```

11K
ACTSREC DBF      3K
ASM      COM      8K
CLOCK    COM      1K
COPYALL  COM      2K
COPYFASTCOM  2K
CPY      COM      3K
D        COM      2K
DDT      COM      5K
DUMP     COM      1K
DUMPX    COM      3K
ED        COM      7K
FORMAT   COM      1K
FY8283   DBF      3K
JCAT     COM      9K
LABEL    COM     10K
LOAD     COM      2K
LST      COM      1K
MENU     COM      1K
MON      COM      1K
MOVCPM   COM     11K
OUT      COM      7K

```

SYS

```

More...
PIP      COM      8K
PR-A1200COM  1K
PR-B1200COM  1K
PRNCRT   COM      1K
RLOCBIOSCOM  3K
RMAC     COM     14K
SETCLK   COM      1K
STAT     COM      6K
SUBMIT   COM      2K
SYSGEN   COM      1K
V        COM      2K
XDIR     COM      2K
XSUB     COM      1K

```

```

35 file(s).
29 directory entries remaining.
D>STAT 0:

```

Bytes Remaining On 0: 104k

D> JRT PASCAL version 3.0

```

ARCTAN  PAS      2K
CONVERTMIN2  4K
CONVERTMINT  4K
CONVERTMPAS  6K
COS      PAS      2K
CRTMAP   PAS      4K
CUSTOMIZINT  2K
DEBUG    INT      1K
ERASE    INT      1K
EXEC     COM     24K
EXP      PAS      2K

```

INDEX1	INT	7K
INDEX2	INT	2K
JGRAF	INT	5K
JGRAF	PAS	8K
JRTASM	INT	15K
JRTPAS3	COM	22K
JSTAT	PAS	3K
LETTERS	INT	2K
LINKER	INT	4K
LN	PAS	2K

More..

PASCAL	LIB	13K
PASCAL0	INT	24K
PASCAL1	INT	7K
PASCAL2	INT	5K
PASCAL3	INT	10K
PASCAL4	INT	1K
PICTURE	INT	6K
READTHIS		2K
RENAME	INT	1K
RESETBITASM		1K
SEARCH	INT	1K
SETBIT	ASM	1K
SIN	PAS	1K
SQRT	PAS	1K
TESTBIT	ASM	1K
VERIFY	INT	1K

38 file(s).

23 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 33k

D>

ASSIGN	DRI	2K
BLOCKR	DRI	1K
BLOCKR2	DRI	1K
BLOCKW	DRI	1K
CLOSE	DRI	2K
CREATE	DRI	1K
EOF	DRI	1K
EOLN	DRI	1K
GET	DRI	1K
GNB	DRI	2K
IOERR	DRI	1K
IORESU	DRI	1K
NAMESTUF	DRI	1K
OPENSTUF	DRI	1K
PFLT2	DRI	4K
PUT	DRI	1K
RDREAL	DRI	3K
RDWRHEX	DRI	2K
RESET	DRI	3K
REWRITE	DRI	2K
RIN	DRI	4K
RNB	DRI	3K

More..

RNC	DRI	1K
S2I	DRI	1K
SGTSPT	DRI	1K
UTILMOD	DRI	2K
WNB	DRI	1K
WNC	DRI	1K
WRITENB	DRI	2K
WRTREAL	DRI	7K

30 file(s).

34 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 186k

D>

ACOMPS	MAC	2K
BITSTUF	MAC	2K
CHN	MAC	2K
CHW	MAC	2K
CONCAT	MAC	2K
CRL	MAC	1K
CWT	MAC	1K
DIVMOD	MAC	5K
DYNOP	MAC	24K
FIN	MAC	1K
FOR	MAC	1K
GETCH	MAC	1K
HLT	MAC	1K
IBCOMPS	MAC	2K
INI	MAC	4K
INP	MAC	1K
IOMOD	MAC	2K
IOS	MAC	1K
MOVES	MAC	2K
MULT	MAC	1K
OUT	MAC	1K
OVLGR	MAC	10K

More..

PSTPLD	MAC	1K
RCH	MAC	1K
RNDIO	MAC	1K
RST	MAC	4K
RTPDAT	MAC	1K
SETCOMPSMAC		3K
SETMOVESMAC		2K
SETOPS	MAC	6K
SHIFTS	MAC	1K
STR	MAC	2K
STRCOMP	MAC	2K
SWAPBYTEMAC		1K
WAIT8085MAC		2K
WCH	MAC	2K
WINT	MAC	2K
WRB	MAC	1K
WRDCOMPSMAC		2K
WRS	MAC	1K
XJP	MAC	2K

41 file(s).

22 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 135k

D>

ASSIGN	SRC	2K
BLOCKR	SRC	1K
BLOCKR2	SRC	1K
BLOCKW	SRC	1K
CHAIN	SRC	1K
CLOSE	SRC	2K
CMDMOD	SRC	1K
COPY	SRC	1K
CREATE	SRC	1K
DELETE	SRC	1K
EOF	SRC	1K
EOLN	SRC	1K
GET	SRC	1K
GNB	SRC	2K
GNBCHK	SRC	2K
INSERT	SRC	1K
IOERR	SRC	1K
IORESU	SRC	1K
NAMESTUFSRC		1K
OPENSTUFSRC		1K
PAGE	SRC	1K
PFLT2	SRC	4K

More..

POS	SRC	1K
PURGE	SRC	1K
PUT	SRC	1K
RDREAL	SRC	3K
RDWRHEX	SRC	2K
RESET	SRC	3K
REWRITE	SRC	2K
RIN	SRC	4K
RNB	SRC	3K
RNC	SRC	1K
S2I	SRC	1K
SGTSPT	SRC	1K
SYSERR	SRC	1K
UTILMOD	SRC	2K
WNB	SRC	1K
WNC	SRC	1K
WRITENB	SRC	2K
WRTREAL	SRC	7K

40 file(s).

24 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 175k

D>

DRI & CP/M APP NOTES

CPM3APP LBR 55K

CPM3PAT LBR 93K

CPMUTIL LBR 59K

DRI-XA1 FLS 12K

4 file(s).

49 directory entries remaining.

D>STAT 0:

Bytes Remaining On 0: 22k

D>

CAT.COM 2/2/80
FILES:

NAME	DISK	NAME	DISK
-CATALOG.001	CATALOG .001	-CATALOG.002	CATALOG .002
-CATALOG.003	CATALOG .003	-CATALOG.004	CATALOG .004
-CATALOG.005	CATALOG .005	-CATALOG.006	CATALOG .006
-CATALOG.007	CATALOG .007	-CATALOG.008	CATALOG .008
-CATALOG.009	CATALOG .009	-CATALOG.010	CATALOG .010
-CATALOG.011	CATALOG .011	-CATALOG.012	CATALOG .012
-CATALOG.013	CATALOG .013	-CATALOG.014	CATALOG .014
-CATALOG.015	CATALOG .015	-CATALOG.016	CATALOG .016
-CATALOG.017	CATALOG .017	-CATALOG.018	CATALOG .018
-CATALOG.019	CATALOG .019	-CATALOG.020	CATALOG .020
-CATALOG.021	CATALOG .021	-CATALOG.022	CATALOG .022
-CATALOG.023	CATALOG .023	-CATALOG.024	CATALOG .024
-CATALOG.025	CATALOG .025	-CATALOG.026	CATALOG .026
-CATALOG.027	CATALOG .027	-CATALOG.028	CATALOG .028
-CATALOG.029	CATALOG .029	-CATALOG.030	CATALOG .030
-CATALOG.031	CATALOG .031	-CATALOG.032	CATALOG .032
-CATALOG.033	CATALOG .033	-CATALOG.034	CATALOG .034
-CATALOG.035	CATALOG .035	-CATALOG.036	CATALOG .036
-CATALOG.037	CATALOG .037	-CATALOG.038	CATALOG .038
-CATALOG.039	CATALOG .039	-CATALOG.040	CATALOG .040
-CATALOG.041	CATALOG .041	-CATALOG.042	CATALOG .042
-CATALOG.043	CATALOG .043	-CATALOG.044	CATALOG .044
-CATALOG.045	CATALOG .045	-CATALOG.046	CATALOG .046
-CATALOG.047	CATALOG .047	-SIGMLOG.001	SIGMLOG .001
-SIGMLOG.002	SIGMLOG .002	-SIGMLOG.003	SIGMLOG .003
-SIGMLOG.004	SIGMLOG .004	-SIGMLOG.005	SIGMLOG .005
-SIGMLOG.006	SIGMLOG .006	-SIGMLOG.007	SIGMLOG .007
-SIGMLOG.008	SIGMLOG .008	-SIGMLOG.009	SIGMLOG .009
-SIGMLOG.010	SIGMLOG .010	-SIGMLOG.011	SIGMLOG .011
/ .DOC	CATALOG .040	15/PUZ .ASC	CATALOG .013
1500 .ASC	CATALOG .013	21 .ASC	CATALOG .005
23MATCH .BAS	CATALOG .013	2PRTFJSB.MUS	CATALOG .039
2PRTFJSB.NOT	CATALOG .039	3712DIAG.ASM	SIGMLOG .005
3740UTIL.ASM	SIGMLOG .004	3740UTIL.DOC	SIGMLOG .004
3812DIAG.ASM	SIGMLOG .005	3DTICTAC.ASM	CATALOG .017
3X12DIAG.DOC	SIGMLOG .005	88-MODEM.ASM	CATALOG .025
88-MODEM.DOC	CATALOG .025	A/P-INFO.BAS	CATALOG .043
A/P000 .BAS	CATALOG .043	A/P010 .BAS	CATALOG .043
A/P02A .BAS	CATALOG .043	A/P02B .BAS	CATALOG .043
A/P030 .BAS	CATALOG .043	A/P040 .BAS	CATALOG .043
A/P050 .BAS	CATALOG .043	A/P060 .BAS	CATALOG .043
A/P070 .BAS	CATALOG .043	A/P080 .BAS	CATALOG .043
A/P090 .BAS	CATALOG .043	A/P110 .BAS	CATALOG .043
A/P120 .BAS	CATALOG .043	A/R-INFO.BAS	CATALOG .043
A/R-INV .BAS	CATALOG .043	A/R010 .BAS	CATALOG .043
A/R020 .BAS	CATALOG .043	A/R03A .BAS	CATALOG .043
A/R03B .BAS	CATALOG .043	A/R040 .BAS	CATALOG .043
A/R050 .BAS	CATALOG .043	A/R060 .BAS	CATALOG .043
A/R070 .BAS	CATALOG .043	A/R080 .BAS	CATALOG .043
A/RTAX .BAS	CATALOG .043	AA .COM	CATALOG .040
ABSTRACT.001	SIGMLOG .001	ABSTRACT.002	SIGMLOG .002
ABSTRACT.003	SIGMLOG .003	ABSTRACT.006	SIGMLOG .006
ABSTRACT.011	SIGMLOG .011	ABSTRACT.034	CATALOG .034

FILES:

NAME	DISK	NAME	DISK
ABSTRACT.035	CATALOG .035	ABSTRACT.036	CATALOG .036
ABSTRACT.037	CATALOG .037	ABSTRACT.038	CATALOG .038
ABSTRACT.039	CATALOG .039	ABSTRACT.040	CATALOG .040
ABSTRACT.041	CATALOG .041	ABSTRACT.042	CATALOG .042
ABSTRACT.043	CATALOG .043	ABSTRACT.044	CATALOG .044
ABSTRACT.045	CATALOG .045	ABSTRACT.046	CATALOG .046
ABSTRACT.047	CATALOG .047	ACCTFILE.BAS	CATALOG .044
ACE .BAS	CATALOG .003	ACT .DOC	CATALOG .004
ACT31 .COM	CATALOG .004	ACT31UC .COM	CATALOG .004
ACYDUCY .ASC	CATALOG .021	AD .COM	SIGMLOG .001
ADDPD .BAS	CATALOG .033	ADE .ASM	CATALOG .019
ADINIT .COM	SIGMLOG .002	ADM3 .MOD	CATALOG .028
ADV .COM	SIGMLOG .003	ADV .COM	SIGMLOG .011
ADVENSUB.FOR	SIGMLOG .002	ADVENT .FOR	SIGMLOG .002
ADVENTUR.DAT	SIGMLOG .002	ADVENTUR.MSG	SIGMLOG .001
ADVI .DAT	SIGMLOG .003	ADVI .DAT	SIGMLOG .011
ADVI .PTR	SIGMLOG .003	ADVI .PTR	SIGMLOG .011
ADVINIT3.FOR	SIGMLOG .002	ADVMAIN .FOR	SIGMLOG .002
ADVT .DAT	SIGMLOG .003	ADVT .DAT	SIGMLOG .011
ADVT .PTR	SIGMLOG .003	ADVT .PTR	SIGMLOG .011
AIR .MUS	CATALOG .039	ALGINTRO.TXT	CATALOG .028
ALGOLM .COM	CATALOG .028	ALGSTART.TXT	CATALOG .028
ALLEGRO .MUS	CATALOG .039	ALLOC .ASM	CATALOG .015
ALLOC .ASM	CATALOG .029	ALLOC .COM	CATALOG .040
ALLOC .DOC	CATALOG .040	ALS8CPM .ASM	SIGMLOG .010
AMAZE .	CATALOG .004	AMAZE .BAS	CATALOG .003
AMERICA .MUS	CATALOG .039	AMUSE .	CATALOG .004
ANIMAL .BAS	CATALOG .003	ANNTOT1 .BAS	CATALOG .044
ANNTOT1 .INT	CATALOG .044	ANTONYMS.ASC	CATALOG .027
APOLLO .ASC	CATALOG .021	AREA .BAS	CATALOG .037
AREA .INT	CATALOG .037	ARIA .MUS	CATALOG .039
ARRAY .ALG	CATALOG .028	ARTICLE .	CATALOG .014
ASMX .COM	CATALOG .016	ASSEMBL .DOC	CATALOG .023
ASSIGN .ASM	CATALOG .001	ASTRO .FNT	CATALOG .034
ATAB .DAT	SIGMLOG .001	AUTOX .ASM	SIGMLOG .009
AWAVE .BAS	CATALOG .039	AWAVE .INT	CATALOG .039
BACCRRT .ASC	CATALOG .026	BAGELS .BAS	CATALOG .003
BAGELS .BAS	CATALOG .013	BAGELS2 .BAS	CATALOG .003
BANNER .ASC	CATALOG .021	BANNER .ASM	CATALOG .008
BAS2-0 .COM	CATALOG .005	BAS2-1 .COM	CATALOG .005
BASCOM .LIT	CATALOG .030	BASEBALL.ASC	CATALOG .026
BASIC .COM	CATALOG .030	BASIC .PLM	CATALOG .030
BASIC/5 .ASM	CATALOG .011	BASIC/5 .COM	CATALOG .011
BASIC/5 .DOC	CATALOG .011	BASPAR .PLM	CATALOG .030
BASSYN .PLM	CATALOG .030	BCD-DRVR.ASM	CATALOG .014
BDOS-PAT.ASM	SIGMLOG .004	BEASTIE .ASM	CATALOG .015
BEE .FAS	CATALOG .035	BEE# .FEX	CATALOG .035
BIDI .ASM	CATALOG .042	BIGTREK .ASC	CATALOG .022
BIGTREK .BAS	CATALOG .022	BINLOAD1.ASM	CATALOG .008
BINSEARC.BAS	CATALOG .043	BINSERCH.BAS	CATALOG .044
BIO .ASC	CATALOG .021	BIO-FF .ASC	CATALOG .005
BIOCAL .ASC	CATALOG .026	BIOPRINT.BAS	CATALOG .003
BIORYME .ASC	CATALOG .013	BIORYTH .ASC	CATALOG .005

FILES:

NAME	DISK	NAME	DISK
BIOSGO .LIB	CATALOG .008	BIRTHDAY.ASC	CATALOG .026
BITCASP .BAS	CATALOG .033	BKSPACE .DOC	CATALOG .025
BLACKBOX.BAS	SIGMLOG .010	BLACKJAC.BAS	CATALOG .013
BLACKJAC.BAS	CATALOG .020	BLACKJCK.ASC	CATALOG .026
BLK .INP	CATALOG .028	BLKFRI .BAS	CATALOG .003
BLKFRI2 .ASC	CATALOG .005	BLKFRI2 .BAS	CATALOG .003
BLKFRI3 .ASC	CATALOG .021	BLKJK .ASC	CATALOG .021
BLKTEST .ALG	CATALOG .028	BLOAD .ASM	CATALOG .006
BLUFF .INT	CATALOG .027	BMAINT .BAS	CATALOG .041
BMAP7/11.ASM	CATALOG .047	BMAP7/11.ASM	SIGMLOG .004
BOGGLE .BAS	SIGMLOG .010	BONUS .DOC	CATALOG .034
BOOGIE .MUS	CATALOG .039	BOOK .DOC	CATALOG .034
BOOLINT .ALG	CATALOG .028	BOOT .ASM	CATALOG .025
BOOT .ASM	SIGMLOG .008	BOOT .DOC	CATALOG .025
BOOTER .ASM	CATALOG .040	BOOTER .DOC	SIGMLOG .008
BOUREE .MUS	CATALOG .039	BPNF .ASM	CATALOG .008
BREEZ .MUS	CATALOG .039	BREPORT .BAS	CATALOG .041
BSPAT16B.ASM	CATALOG .008	BUDGET .ASC	CATALOG .026
BUDGET1 .BAS	CATALOG .044	BUDGET1 .DOC	CATALOG .044
BUDGET1 .INT	CATALOG .044	BUDGETCH.BAS	CATALOG .044
BUDGETCH.INT	CATALOG .044	BUILD .PLM	CATALOG .030
BULLSEYE.BAS	CATALOG .013	BVBOOT .ASM	CATALOG .038
BVIOS .ASM	CATALOG .038	BYTEMOV .ASM	CATALOG .008
CAESAR .BAS	CATALOG .033	CAESAR .BQ	CATALOG .033
CAESAR .DQ	CATALOG .033	CAESAR .MQ	CATALOG .033
CALENDAR.COM	CATALOG .004	CALENDAR.FOR	CATALOG .004
CALIOPE .MUS	CATALOG .039	CANNONS .BAS	CATALOG .003
CAPSERCH.BAS	CATALOG .033	CASDSK .ASM	CATALOG .001
CASETEST.ALG	CATALOG .028	CASETWO .ALG	CATALOG .028
CASPGAME.BAS	CATALOG .033	CASPPLUS.BAS	CATALOG .033
CASUAL .ASM	CATALOG .018	CAT .ASM	CATALOG .025
CAT .COM	CATALOG .025	CAT .COM	CATALOG .040
CAT2 .COM	CATALOG .040	CATALOG .DOC	CATALOG .040
CBAS .SUB	CATALOG .044	CBIOS24 .ASM	CATALOG .025
CCOS1 .ASM	CATALOG .006	CCPPATCH.ASM	SIGMLOG .004
CHAIN .BAS	CATALOG .026	CHAIN .BAS	CATALOG .037
CHAIN .INT	CATALOG .037	CHANGE .ASM	SIGMLOG .004
CHASE .ASC	CATALOG .021	CHASE .ASC	CATALOG .026
CHASE .ASM	CATALOG .015	CHASE .ASM	CATALOG .029
CHASE .BAS	CATALOG .003	CHAT13 .ASM	SIGMLOG .008
CHECKERS.BAS	CATALOG .013	CHECKOU&.FEX	CATALOG .035
CHECKOUT.FAS	CATALOG .035	CHESS .ASC	CATALOG .021
CHESS .ASC	CATALOG .026	CHESS .COM	CATALOG .041
CHESS .DOC	CATALOG .041	CHESS .FOR	CATALOG .041
CHIEF .BAS	CATALOG .013	CHOMP .BAS	CATALOG .003
CHOPS .MUS	CATALOG .039	CHORALE .MUS	CATALOG .039
CIVILW .BAS	CATALOG .020	CIVILWAR.ASC	CATALOG .026
CK-FIX .COM	CATALOG .040	CK-FIX .DOC	CATALOG .040
CKSUM .ASM	CATALOG .006	CLEANUP .COM	CATALOG .040
CLEAR .ASM	CATALOG .035	CLIMATES.ASC	CATALOG .026
CLKROM .ASM	CATALOG .042	CLOUD-9 .ASC	CATALOG .026
CODE .BAS	CATALOG .041	COMBINE .ASM	CATALOG .036
COMBINE .BAS	CATALOG .003	COMBINE .COM	CATALOG .036

FILES:

NAME	DISK	NAME	DISK
COMERR .TXT	CATALOG .028	COMMON .DAT	SIGMLOG .001
COMMON1 .TXT	CATALOG .037	COMPARE .ASM	CATALOG .006
COMPARE .ASM	CATALOG .040	COMPARE .COM	CATALOG .040
COMPILE .SUB	CATALOG .037	CONCOD .LIB	SIGMLOG .006
CONVERT .BAS	CATALOG .013	COPCON .ASC	CATALOG .009
COPRAN .ASC	CATALOG .009	COPY .ASM	CATALOG .001
COPY .ASM	CATALOG .019	COPY .ASM	CATALOG .025
COPY .COM	CATALOG .001	COPY .COM	CATALOG .034
COPYDSK .ASM	CATALOG .016	COPYDSK .MAC	CATALOG .016
COPYFAST.ASM	CATALOG .047	COPYFAST.COM	CATALOG .047
COPYX .ASM	CATALOG .001	CORE .BAS	CATALOG .003
CORETEST.BAS	CATALOG .003	CP/M-NET.MSG	SIGMLOG .005
CPM .DOC	CATALOG .019	CPM-FDOS.ASM	CATALOG .046
CPM-PEN .ASM	CATALOG .036	CPM-PEN .COM	CATALOG .036
CPMLABEL.BAS	CATALOG .046	CPMLABEL.DOC	CATALOG .046
CPMSETL .COM	CATALOG .034	CPMUTIL .ASM	CATALOG .016
CPUDIAG .ASM	SIGMLOG .005	CPUDIAG .DOC	SIGMLOG .005
CPUPARTS.BAS	CATALOG .037	CPYFIL15.ASM	SIGMLOG .009
CRAPS .ASC	CATALOG .026	CRAPS .BAS	CATALOG .003
CRAPS .BAS	CATALOG .037	CRAPS .DOC	CATALOG .037
CRAPS .INT	CATALOG .037	CRAZY-8 .ASC	CATALOG .026
CRCK10/6.ASM	SIGMLOG .009	CRCK3 .ASM	CATALOG .046
CRCK3 .ASM	SIGMLOG .004	CRCK3 .COM	CATALOG .046
CREATE .ASM	CATALOG .035	CROROS .ASM	CATALOG .017
CRTFM .BAS	CATALOG .043	CRTFM .BAS	CATALOG .044
CRTFM .INT	CATALOG .044	CT82 .COM	CATALOG .042
CT82 .Z80	CATALOG .042	CURSOR .BAS	CATALOG .043
CURSOR .BAS	CATALOG .044	CUTTER .ASM	CATALOG .006
CV .ASM	CATALOG .040	CV .COM	CATALOG .040
CV .DOC	CATALOG .040	CYBER .ASM	CATALOG .047
D .COM	CATALOG .040	D .DOC	CATALOG .040
DAISY .MUS	CATALOG .039	DATABASE.DOC	CATALOG .028
DBENTRY .BAS	CATALOG .028	DBQUERY .BAS	CATALOG .028
DBSETUP .BAS	CATALOG .028	DCHAYES .ASM	CATALOG .025
DCHBYE55.ASM	SIGMLOG .007	DCHBYE57.ASM	SIGMLOG .008
DCHDIAG .ASM	CATALOG .025	DDTPATCH.ASM	CATALOG .008
DEC1 .BAS	CATALOG .037	DEC1 .INT	CATALOG .037
DEC2 .BAS	CATALOG .037	DEC2 .INT	CATALOG .037
DEC3 .BAS	CATALOG .037	DEC3 .INT	CATALOG .037
DEC4 .BAS	CATALOG .037	DEC4 .INT	CATALOG .037
DEC5 .BAS	CATALOG .037	DEC5 .INT	CATALOG .037
DEC6 .BAS	CATALOG .037	DEC6 .INT	CATALOG .037
DECIMAL .BAS	CATALOG .037	DECIMAL .INT	CATALOG .037
DECISION.ASC	CATALOG .005	DEFLECT .ASM	CATALOG .029
DEMO .SAM	CATALOG .034	DENVBAS .ASM	CATALOG .017
DFELT .BAS	CATALOG .033	DFOCO .ASM	CATALOG .038
DFOCO .COM	CATALOG .038	DFOCO .DOC	CATALOG .038
DI .ASM	CATALOG .040	DI .COM	CATALOG .040
DIABLO .ASM	CATALOG .001	DIAL6/23.ASM	CATALOG .047
DIAL6/23.DOC	CATALOG .047	DIAMONDS.ASC	CATALOG .021
DICE .BAS	CATALOG .013	DICT .DOC	CATALOG .023
DIRFIX .ASM	SIGMLOG .004	DIRFIX .SAM	CATALOG .034
DIRS10/1.ASM	SIGMLOG .004	DIRS1015.ASM	SIGMLOG .009

FILES:

NAME	DISK	NAME	DISK
DIRS9/8 .ASM	CATALOG .047	DIS .ASM	CATALOG .042
DIS .DOC	CATALOG .042	DISASM .COM	CATALOG .017
DISASSM1.ASM	CATALOG .001	DISASSM2.ASM	CATALOG .001
DISK .PRN	CATALOG .037	DISKDUP .ASM	CATALOG .008
DISKIN .LIB	CATALOG .008	DISKTES1.ASM	CATALOG .008
DISKTEST.ASM	CATALOG .001	DISPLAY .ASM	CATALOG .017
DISPLAY .COM	SIGMLOG .009	DISPLAY .DOC	SIGMLOG .009
DISPLAYP.ASM	SIGMLOG .009	DISPONOF.ASM	CATALOG .035
DISSAMBR.ASC	CATALOG .027	DISTANCE.BAS	CATALOG .037
DISTANCE.INT	CATALOG .037	DISTEST .FAS	CATALOG .035
DISTEST&.FEX	CATALOG .035	DISTPLUS.ASM	CATALOG .035
DIV16B .ASM	SIGMLOG .010	DIVIDE1 .LIB	CATALOG .008
DLDHI .ASM	CATALOG .014	DLOAD .ASM	CATALOG .014
DLOAD .DOC	CATALOG .014	DMSPATCH.ASM	CATALOG .038
DOODLE .ASM	CATALOG .035	DOODLE .COM	CATALOG .035
DOTS .ASC	CATALOG .027	DOWHILES.LIB	CATALOG .029
DRAGRACE.ASC	CATALOG .027	DSCUSPAT.ASM	CATALOG .038
DSIM .LIB	SIGMLOG .010	DSKCAS .ASM	CATALOG .001
DSKDIR .ASM	CATALOG .008	DSKRD .ASM	CATALOG .035
DU .ASM	CATALOG .040	DU .COM	CATALOG .040
DU .DOC	CATALOG .040	DU-10/26.ASM	SIGMLOG .009
DU-8/12 .ASM	CATALOG .046	DU-8/12 .ASM	SIGMLOG .004
DU-V61 .ASM	CATALOG .046	DU/MAP .DOC	CATALOG .046
DUMP .ASM	CATALOG .015	DUMP .ASM	CATALOG .024
DUMP .COM	CATALOG .014	DUMP .COM	CATALOG .024
DUMP .MAC	CATALOG .014	DUPUSR2 .ASM	SIGMLOG .004
ED3 .ASM	CATALOG .001	EDIT .ASM	CATALOG .029
EDIT .COM	CATALOG .016	EDIT .DOC	CATALOG .023
EDITM .FOR	CATALOG .026	EDTEXT .ASC	CATALOG .005
EDUCATOR.ASM	CATALOG .016	EDVDM .DOC	CATALOG .006
EJECT .ASM	CATALOG .040	ELTPOD .BAS	CATALOG .033
ENTE .ASC	CATALOG .021	ENTEP .ASC	CATALOG .021
ENTER .MUS	CATALOG .039	EQUATES .LIB	SIGMLOG .004
EUCLID .BAS	CATALOG .003	EXAM .ASM	CATALOG .001
EXEC .COM	CATALOG .035	EXEC .OBJ	CATALOG .035
EXECPLUS.ASM	CATALOG .035	EXECSAFE.ASM	CATALOG .035
EXP1980 .TOT	CATALOG .044	EXPENS80.JAN	CATALOG .044
EXPLAIN .DOC	CATALOG .006	EXTF .ASM	CATALOG .034
EXTF .DOC	CATALOG .034	FANCY# .FEX	CATALOG .035
FASM .COM	CATALOG .035	FAST .ASM	CATALOG .038
FAST .COM	CATALOG .038	FASTNSTL.DOC	CATALOG .038
FBIOS24 .ASM	CATALOG .025	FBOOT24 .ASM	CATALOG .025
FCBMOV .ASM	CATALOG .035	FCBNEW .ASM	CATALOG .035
FDL .	CATALOG .004	FDOS-CPM.ASM	CATALOG .046
FELIX .ASM	CATALOG .035	FELIX .COM	CATALOG .035
FELIX .DOC	CATALOG .035	FELIX .OBJ	CATALOG .035
FELIXV1 .CAT	CATALOG .035	FIB .BAS	CATALOG .003
FILE1 .INP	CATALOG .028	FILE2 .INP	CATALOG .028
FILEINIT.BAS	CATALOG .043	FILEINIT.BAS	CATALOG .044
FILEINIT.INT	CATALOG .044	FILES .COM	CATALOG .001
FILES .DOC	CATALOG .023	FILPRINT.ASM	SIGMLOG .004
FIND .ASM	CATALOG .036	FIND .COM	CATALOG .036
FIND .DOC	CATALOG .036	FIND3/18.ASM	SIGMLOG .009

FILES:

NAME	DISK	NAME	DISK
FINDBD37.ASM	SIGMLOG .004	FINDBD38.ASM	SIGMLOG .009
FIT .BAS	CATALOG .003	FIX .SUB	CATALOG .039
FLIP-8/8.ASM	SIGMLOG .007	FLIP3 .ASM	CATALOG .047
FLOATPNT.DOC	CATALOG .023	FLTARITH.ASM	CATALOG .018
FLYTEST .AIN	CATALOG .028	FLYTEST .ALG	CATALOG .028
FMAN .PRN	CATALOG .038	FMAP .ASM	CATALOG .008
FMAP .COM	CATALOG .025	FMAP .COM	CATALOG .040
FMAP .DOC	CATALOG .040	FMAP6/12.ASM	SIGMLOG .004
FOCAL .ASM	CATALOG .016	FOOTBALL.ASC	CATALOG .027
FOOTBALL.BAS	CATALOG .020	FORMAT .ASC	CATALOG .005
FORMAT .ASM	CATALOG .025	FORMAT .BAS	CATALOG .003
FORMAT .COM	CATALOG .024	FORMAT .FMI	CATALOG .003
FORMAT1 .ASM	CATALOG .008	FORMULA .BAS	CATALOG .037
FORMULA .INT	CATALOG .037	FPCONV .ASM	CATALOG .018
FPCONV .SRC	CATALOG .029	FPDATA .SRC	CATALOG .029
FPINT .SRC	CATALOG .029	FPPKG .SRC	CATALOG .029
FRAC1 .BAS	CATALOG .037	FRAC1 .INT	CATALOG .037
FRAC2 .BAS	CATALOG .037	FRAC2 .INT	CATALOG .037
FRAC3 .BAS	CATALOG .037	FRAC3 .INT	CATALOG .037
FRAC4 .BAS	CATALOG .037	FRAC4 .INT	CATALOG .037
FRACTION.BAS	CATALOG .037	FRACTION.INT	CATALOG .037
FRAGMENT.DOC	CATALOG .025	FRIEND .DOC	CATALOG .034
FUNCTION.ASM	CATALOG .017	FURS .ASC	CATALOG .021
G .SAM	CATALOG .034	G/L .DOC	CATALOG .044
G/L-INFO.BAS	CATALOG .043	G/L-INFO.BAS	CATALOG .044
G/L000 .BAS	CATALOG .044	G/L000 .INT	CATALOG .044
G/L010 .BAS	CATALOG .044	G/L010 .INT	CATALOG .044
G/L020 .BAS	CATALOG .044	G/L020 .INT	CATALOG .044
G/L030 .BAS	CATALOG .044	G/L030 .INT	CATALOG .044
G/L040 .BAS	CATALOG .044	G/L040 .INT	CATALOG .044
G/L050 .BAS	CATALOG .044	G/L050 .INT	CATALOG .044
G/L070 .BAS	CATALOG .044	G/L070 .INT	CATALOG .044
G/L080 .BAS	CATALOG .044	G/L080 .INT	CATALOG .044
GALAXY .ASC	CATALOG .026	GALAXY2 .ASC	CATALOG .026
GAMMON .H19	SIGMLOG .010	GAMMONB .BAS	SIGMLOG .010
GENINFO .BAS	CATALOG .043	GENINFO .BAS	CATALOG .044
GETF .ASM	CATALOG .035	GETPUT .ASC	CATALOG .009
GETVEC .LIB	CATALOG .001	GETW .ASM	CATALOG .035
GL1 .ASC	CATALOG .009	GL2 .ASC	CATALOG .009
GL3 .ASC	CATALOG .009	GL4 .ASC	CATALOG .009
GL5 .ASC	CATALOG .009	GL6 .ASC	CATALOG .009
GL7 .ASC	CATALOG .009	GLMENU .ASC	CATALOG .009
GO .ASM	CATALOG .008	GOLDI .PLT	CATALOG .012
GOLF .ASC	CATALOG .027	GOLF .BAS	CATALOG .020
GOTOTEST.ALG	CATALOG .028	GRADE .BAS	CATALOG .037
GREEKRTS.ASC	CATALOG .027	GUNNER .BAS	CATALOG .020
HAIKU .	CATALOG .004	HAMPROGS.DOC	CATALOG .041
HANG .BAS	CATALOG .003	HANGMN-1.ASC	CATALOG .027
HANGMN-2.ASC	CATALOG .027	HANGMN-3.ASC	CATALOG .027
HANOI .ALG	CATALOG .028	HEADER .BAS	CATALOG .037
HELLO .BAS	CATALOG .003	HEXDUMP .ASM	CATALOG .040
HEXOUT .ASM	CATALOG .035	HIDEESEEK.ASC	CATALOG .027
HIPILOT .PLT	CATALOG .012	HOOH .SAM	CATALOG .034

FILES:

NAME	DISK	NAME	DISK
HORSE .ASC	CATALOG .021	HOW2BS .DOC	CATALOG .042
HUSTLE .MUS	CATALOG .039	HYS13 .ASM	CATALOG .001
HYS15 .ASM	CATALOG .001	ICOPY .ASM	CATALOG .001
IDIR .ASM	CATALOG .001	IDUMP .ASM	CATALOG .006
IDUMP .COM	CATALOG .034	IGADD .MAC	CATALOG .029
ILRAW .COM	CATALOG .034	INFO .SAM	CATALOG .034
INFO1 .DOC	CATALOG .034	INFO2 .DOC	CATALOG .034
INFO3 .DOC	CATALOG .034	INFO4 .DOC	CATALOG .034
INFO5 .DOC	CATALOG .034	INIT .ASM	CATALOG .015
INIT .TEL	CATALOG .042	INIT2 .ASM	CATALOG .015
INNUM1 .LIB	CATALOG .008	INSUB .FOR	SIGMLOG .002
INTEGER .BAS	CATALOG .037	INTEGER .INT	CATALOG .037
INTRRUPT.DOC	CATALOG .023	INV .	CATALOG .028
INV .IND	CATALOG .028	IOEXAMP .	CATALOG .004
IQUEEN .ASC	CATALOG .027	IRISH .MUS	CATALOG .039
JOURNAL .BAS	SIGMLOG .010	JRNL .BAS	CATALOG .037
JRNL .INT	CATALOG .037	KENO .BAS	CATALOG .003
KERNEL .ASM	CATALOG .023	KERNEL .DOC	CATALOG .023
KERNL .ASM	CATALOG .015	KING .ASC	CATALOG .021
KINGDOM .BAS	CATALOG .013	KSAP .COM	CATALOG .034
KTAB .DAT	SIGMLOG .001	L81 .COM	CATALOG .004
L82 .COM	CATALOG .004	L82 .COM	CATALOG .036
L83 .COM	CATALOG .004	LABEL .SAM	CATALOG .034
LABELS .BAS	CATALOG .041	LANDER .ASC	CATALOG .021
LANDER .BAS	CATALOG .003	LANES .BAS	CATALOG .003
LANES .BAS	SIGMLOG .010	LAWRENCE.MUS	CATALOG .039
LEDGER1 .BAS	CATALOG .044	LEDGER1 .DOC	CATALOG .044
LEDGER1 .INT	CATALOG .044	LEM .BAS	CATALOG .003
LETTER .ASM	CATALOG .025	LETTER .DOC	CATALOG .025
LIFE8 .ASM	CATALOG .042	LIFE8 .COM	CATALOG .042
LIFE8 .DOC	CATALOG .042	LINES .COM	CATALOG .036
LINES .DOC	CATALOG .036	LINK .ASM	CATALOG .019
LINK73 .ASM	CATALOG .019	LINKASM .COM	CATALOG .036
LINKASM .DOC	CATALOG .036	LINUS .PIC	CATALOG .020
LIOS .ASM	CATALOG .001	LIST .COM	CATALOG .036
LIST .DOC	CATALOG .036	LIST32 .ASM	CATALOG .014
LISTGRPS.ASC	SIGMLOG .009	LLLBASIC.ASM	CATALOG .002
LLLBASIC.ASM	CATALOG .010	LLLBASIC.COM	CATALOG .002
LLLBASIC.COM	CATALOG .010	LLLBASIC.DOC	CATALOG .002
LLLBASIC.DOC	CATALOG .010	LLLFP .ASM	CATALOG .002
LLLFP .ASM	CATALOG .010	LLLMON .ASM	CATALOG .002
LLLMON .ASM	CATALOG .010	LOAD .DOC	CATALOG .023
LOAD .DOC	CATALOG .025	LOADBACK.COM	CATALOG .035
LOADOB .COM	CATALOG .035	LOADPROG.ASM	CATALOG .035
LOADPROG.COM	CATALOG .035	LOAN .BAS	CATALOG .003
LOOP .SAM	CATALOG .034	LOVE .BAS	CATALOG .003
LTEXT .DAT	SIGMLOG .001	LTG .ASM	CATALOG .001
LUNAR .AIN	CATALOG .028	LUNAR .ALG	CATALOG .028
LUNAR .COM	CATALOG .013	LUNAR1 .BAS	CATALOG .020
LVBMIN .MUS	CATALOG .039	LVBMIN .NOT	CATALOG .039
M81 .COM	CATALOG .004	M81 .COM	CATALOG .036
MAC4 .ASM	CATALOG .008	MAC40 .LIB	CATALOG .024
MAC6 .AZM	CATALOG .036	MAC6 .COM	CATALOG .036

FILES:

NAME	DISK	NAME	DISK
MAC6 .DOC	CATALOG .036	MACASM .COM	CATALOG .016
MACRO .LIB	CATALOG .024	MACRO .LIB	CATALOG .038
MACROS .LIB	SIGMLOG .004	MAILLIST.DOC	CATALOG .006
MAILLIST.DOC	CATALOG .028	MAINSB .FOR	SIGMLOG .002
MAINT .BAS	CATALOG .006	MAINT .BAS	CATALOG .028
MAKEFCB .LIB	CATALOG .008	MANDALA .ASC	CATALOG .021
MANPARTS.BAS	CATALOG .037	MAPLE .MUS	CATALOG .039
MARINE .MUS	CATALOG .039	MAST .CAT	CATALOG .040
MASTERMD.ASC	CATALOG .027	MATH .ASM	CATALOG .018
MATH .DOC	CATALOG .018	MAZE .ASC	CATALOG .021
MAZE .ASC	CATALOG .027	MAZE .ASM	CATALOG .001
MAZE .COM	CATALOG .004	MAZE .FOR	CATALOG .004
MBMBOT .ASC	CATALOG .036	MBOOT3 .ASM	SIGMLOG .008
MDGCBIOS.ASM	CATALOG .015	MDGSBOOT.ASM	CATALOG .015
MDIR8/17.ASM	CATALOG .046	MDIR8/17.ASM	SIGMLOG .009
MDIR8/17.COM	CATALOG .046	MEGATREK.ASC	CATALOG .027
MEGATREK.DOC	CATALOG .027	MEM-MAP .ASM	SIGMLOG .007
MEMBRAIN.ASC	CATALOG .027	MEMDIAG .ASM	SIGMLOG .005
MEMDIAG .DOC	SIGMLOG .005	MEMTST .ASM	CATALOG .001
MENU .ASM	SIGMLOG .007	MFACCESS.LIB	CATALOG .036
MFT45 .ASM	SIGMLOG .009	MIC-XFER.ASM	SIGMLOG .007
MIC-XFER.ASM	SIGMLOG .009	MIC-XFER.DOC	SIGMLOG .007
MIC-XFER.DOC	SIGMLOG .009	MICROPAT.ASM	CATALOG .038
MIKEBIOS.ASM	SIGMLOG .009	MILMON80.ASM	CATALOG .018
MINOL .ASM	CATALOG .017	MINWALZ .MUS	CATALOG .039
ML .SUB	CATALOG .004	ML80 .DOC	CATALOG .036
ML80 .REF	CATALOG .036	MLCOPY .SUB	CATALOG .004
MLIST3 .ASM	CATALOG .046	MLIST34 .ASM	SIGMLOG .007
MNEMONIC.ASM	CATALOG .042	MODEM .ASM	CATALOG .006
MODEM .ASM	CATALOG .025	MODEM .DOC	CATALOG .025
MODEM .LIB	CATALOG .047	MODEM4 .ASM	CATALOG .040
MODEM4 .DOC	CATALOG .040	MODEM5A .ASM	SIGMLOG .008
MODEM7 .ASM	CATALOG .047	MODEM7 .COM	CATALOG .047
MODEM7 .DOC	CATALOG .047	MODEM7 .SET	CATALOG .047
MODEM926.ASM	SIGMLOG .007	MON1 .MAC	CATALOG .029
MON2 .MAC	CATALOG .029	MOONLOC .DOC	CATALOG .041
MOONLOC1.BAS	CATALOG .041	MOONLOC2.BAS	CATALOG .041
MOONLOC3.BAS	CATALOG .041	MOONLOC5.BAS	CATALOG .041
MORSE .ASM	CATALOG .041	MOVDOWN .ASM	CATALOG .016
MOVE .ASM	CATALOG .014	MOVE .ASM	CATALOG .029
MOVE2 .SAM	CATALOG .034	MOVE6/12.ASM	SIGMLOG .007
MOVENMAC.ASM	CATALOG .029	MPY8 .LIB	CATALOG .008
MRIVER .MUS	CATALOG .039	MULT .SAM	CATALOG .034
MUSIC .ASM	CATALOG .029	MUSIC .COM	CATALOG .039
MUSIC .DOC	CATALOG .039	MUSIC4 .ASM	CATALOG .039
MUSIC4 .COM	CATALOG .039	MUSIC4 .DOC	CATALOG .039
MUSICP .COM	CATALOG .029	MUSPAT .DOC	CATALOG .039
MUSPAT .HEX	CATALOG .039	MUSTANG .FAS	CATALOG .035
MUSTANG&.FEX	CATALOG .035	MYLIFE .MUS	CATALOG .039
MYMAC .LIB	CATALOG .025	N-ELT1 .ASC	CATALOG .033
N-ELT1 .BAS	CATALOG .033	N-ELT1 .DOC	CATALOG .033
NAMES .DAT	CATALOG .025	NBIOS .ASM	CATALOG .042
NCOMPARE.LIB	CATALOG .029	NEWBAUD .ASM	SIGMLOG .008

FILES:

NAME	DISK	NAME	DISK
NEWFRAC2.BAS	CATALOG .037	NEWS .SAM	CATALOG .034
NFL .BAS	CATALOG .013	NFMAP .ASM	SIGMLOG .009
NIM .ASC	CATALOG .027	NIM1 .H19	SIGMLOG .010
NLIST .ASM	SIGMLOG .009	NOTATE .ASM	CATALOG .029
NOTES .BAS	CATALOG .039	NOTES .INT	CATALOG .039
NOTES .VAN	CATALOG .025	NSBOOT .ASM	CATALOG .040
NSCBIOS .ASM	CATALOG .040	NSCPM48 .ASM	SIGMLOG .010
NSCPM48 .DOC	SIGMLOG .010	NUMBER .ASM	CATALOG .035
NUMBER .MAC	CATALOG .004	NUMS .ASM	CATALOG .017
OBJECT .ASM	CATALOG .035	OBJNULL .ASM	CATALOG .035
ONEND2 .AIN	CATALOG .028	ONEND2 .ALG	CATALOG .028
OPCODE .LIB	CATALOG .024	OPT .BAS	CATALOG .033
OTHELLO .BAS	CATALOG .005	OTHELLO .COM	CATALOG .015
OTHELLO .COM	CATALOG .026	OTHELLO .DOC	CATALOG .005
OTHELLO .FOR	CATALOG .015	OTHELLO .FOR	CATALOG .026
OTHELLO .H19	SIGMLOG .010	OUTNUM1 .LIB	CATALOG .008
P/R .SUB	CATALOG .045	P/R000 .BAS	CATALOG .045
P/R010 .BAS	CATALOG .045	P/R020 .BAS	CATALOG .045
P/R030 .BAS	CATALOG .045	P/R040 .BAS	CATALOG .045
P/R050 .BAS	CATALOG .045	P/R06A .BAS	CATALOG .045
P/R06B .BAS	CATALOG .045	P/R070 .BAS	CATALOG .045
P/R080 .BAS	CATALOG .045	P/R090 .BAS	CATALOG .045
P/R100 .BAS	CATALOG .045	P/R110 .BAS	CATALOG .045
P/R120 .BAS	CATALOG .045	P/R130 .BAS	CATALOG .045
P/R140 .BAS	CATALOG .045	P/R150 .BAS	CATALOG .045
P/R160 .BAS	CATALOG .045	P/R170 .BAS	CATALOG .045
P/R180 .BAS	CATALOG .045	P/R190 .BAS	CATALOG .045
P/R200 .BAS	CATALOG .045	P/R210 .BAS	CATALOG .045
P/R220 .BAS	CATALOG .045	P/R230 .BAS	CATALOG .045
P/R240 .BAS	CATALOG .045	P/R250 .BAS	CATALOG .045
P/R260 .BAS	CATALOG .045	P/R270 .BAS	CATALOG .045
P/R280 .BAS	CATALOG .045	P/R290 .BAS	CATALOG .045
P/R291 .BAS	CATALOG .045	P/R300 .BAS	CATALOG .045
P/R310 .BAS	CATALOG .045	P/R320 .BAS	CATALOG .045
P/R321 .BAS	CATALOG .045	P/R330 .BAS	CATALOG .045
P/R340 .BAS	CATALOG .045	PLUR .FNT	CATALOG .034
PACKUP .ASM	CATALOG .038	PAINT .FAS	CATALOG .035
PAINT .FEX	CATALOG .035	PAINT .PRN	CATALOG .035
PAINT& .FEX	CATALOG .035	PAINTER .FEX	CATALOG .035
PAINTER& .FEX	CATALOG .035	PARM .ASM	CATALOG .035
PARTS .BAS	CATALOG .037	PAS2CPM .ASM	SIGMLOG .008
PASCAL .ASM	SIGMLOG .008	PASCAL .COM	SIGMLOG .008
PASCAL .DOC	SIGMLOG .008	PASSWORD.BAS	CATALOG .037
PASTOCPM.ASM	SIGMLOG .008	PATH .ASM	CATALOG .035
PBOOT .ASM	CATALOG .040	PBOOT .ASM	SIGMLOG .008
PBURN .ASM	CATALOG .008	PEN-CPM .ASM	CATALOG .036
PEN-CPM .COM	CATALOG .036	PEN-CPM .DOC	CATALOG .036
PERCENT .BAS	CATALOG .037	PERCENT .INT	CATALOG .037
PERM .ALG	CATALOG .028	PG0EQU .ASM	SIGMLOG .004
PGEN .ASM	CATALOG .040	PGEN .ASM	SIGMLOG .008
PGEN .COM	SIGMLOG .008	PIC .MUS	CATALOG .039
PILOT .	CATALOG .007	PILOT .ASM	CATALOG .007
PILOT .ASM	CATALOG .012	PILOT .COM	CATALOG .012

FILES:

NAME	DISK	NAME	DISK
PILOT .DOC	CATALOG .012	PILOT .LST	CATALOG .007
PILOT .OBJ	CATALOG .007	PILOT .TST	CATALOG .012
PINIT .ASM	SIGMLOG .008	PINUP .PIC	CATALOG .020
PINUP1 .PIC	CATALOG .020	PIRANHA .ASM	CATALOG .029
PLINK823.ASM	CATALOG .046	PLINK925.ASM	SIGMLOG .007
PLNK1018.ASM	SIGMLOG .008	PLOT .ASM	CATALOG .034
PLOT .DOC	CATALOG .034	PLOT2 .BAS	CATALOG .003
PMMIBYE3.ASM	CATALOG .040	PMMIBYE5.ASM	CATALOG .046
PMMIBYE5.DOC	CATALOG .046	PMON .ASM	CATALOG .012
POET .BAS	CATALOG .003	POKER .BAS	CATALOG .020
PONG .ASM	CATALOG .041	POSIT .ASM	CATALOG .035
POSTFILE.BAS	CATALOG .044	POW .ASM	CATALOG .036
POWCMD5 .POW	CATALOG .036	POWTEXT .POW	CATALOG .036
PRACTICE.ASM	CATALOG .041	PREFMT .BAS	CATALOG .006
PRELUDE .MUS	CATALOG .039	PRICES .DOC	CATALOG .034
PRINT .ASM	CATALOG .001	PRINT .SAM	CATALOG .034
PRINT2 .ASM	CATALOG .008	PRINT3 .ASM	CATALOG .015
PRNT .ASM	CATALOG .001	PROC1 .ASM	CATALOG .015
PROC2 .ASM	CATALOG .015	PROC3 .ASM	CATALOG .015
PROC4 .ASM	CATALOG .015	PROC5 .ASM	CATALOG .015
PROC6 .ASM	CATALOG .015	PROC7 .ASM	CATALOG .015
PROC8 .ASM	CATALOG .015	PROCCALC.ASM	CATALOG .017
PROCSELF.ASM	CATALOG .018	PROM .ASM	CATALOG .047
PTSRCNVT.ASM	CATALOG .042	PTSRCNVT.COM	CATALOG .042
PTSRCNVT.COM	CATALOG .046	PTSRCNVT.DOC	CATALOG .042
PTSRCNVT.DOC	CATALOG .046	PUR2MIN .MUS	CATALOG .039
PUR2MIN .NOT	CATALOG .039	PURGE .ASC	SIGMLOG .007
PURGE .ASM	CATALOG .006	PUT .ASM	CATALOG .014
PUTF .ASM	CATALOG .035	PUTW .ASM	CATALOG .035
QCAT .ASM	CATALOG .025	QUICKIE .BAS	CATALOG .006
QUOTES .PRN	CATALOG .042	RADIX .ASC	CATALOG .005
RANDTEXT.BAS	CATALOG .041	RATFOR .COM	CATALOG .024
RBBS22 .ASC	SIGMLOG .008	RBBS22 .DOC	SIGMLOG .008
RBSUTL22.ASC	SIGMLOG .008	READ .ME	CATALOG .032
READ .ME	SIGMLOG .008	READ-ME .DOC	CATALOG .034
READCUST.BAS	CATALOG .043	READINV .BAS	CATALOG .043
README .DOC	CATALOG .021	README .FMI	CATALOG .003
READVEND.BAS	CATALOG .043	READWORD.ALG	CATALOG .028
RECOVERY.ASC	CATALOG .005	RECSEC .LIB	CATALOG .008
REL .ASM	CATALOG .038	REL .UTL	CATALOG .038
REL1 .ASM	CATALOG .014	REL256 .COM	CATALOG .014
REL512 .COM	CATALOG .014	REL768 .COM	CATALOG .014
RELCPM .DOC	CATALOG .038	RELCPM .SUB	CATALOG .038
RELDUMP .ASM	SIGMLOG .007	RELED .SUB	CATALOG .038
RELHDR .ASM	CATALOG .038	RELHOW .DOC	CATALOG .014
RELOC .ASM	CATALOG .001	REMOV" .ASM	CATALOG .039
REMOV" .COM	CATALOG .039	REPORT .BAS	CATALOG .006
REPORT .BAS	CATALOG .028	RESCALE .ASM	CATALOG .035
RESIZE .DOC	CATALOG .041	RESIZE2 .BAS	CATALOG .041
RESIZE3 .BAS	CATALOG .041	RESOURCE.COM	CATALOG .042
RESOURCE.DOC	CATALOG .042	RETDL .COM	CATALOG .046
RETURN48.COM	SIGMLOG .010	REZ .ASM	SIGMLOG .010
REZ .COM	SIGMLOG .010	REZ .DOC	SIGMLOG .010

FILES:

NAME		DISK	NAME		DISK
REZ	.Z80	SIGMLOG .010	RFILE	.INP	CATALOG .028
RIBBS	.ASC	SIGMLOG .007	RJCASP	.BAS	CATALOG .033
RM80	.ASM	CATALOG .019	RM80	.DOC	CATALOG .019
RND	.FOR	CATALOG .004	ROBIN	.ASM	CATALOG .029
ROBO	.BAS	CATALOG .044	ROBO	.DOC	CATALOG .044
ROBO	.INT	CATALOG .044	ROBOT	.ASM	CATALOG .029
ROCKET	.ASC	CATALOG .021	ROCKET	.BAS	CATALOG .013
ROLLING	.MUS	CATALOG .039	ROMP	.ASM	CATALOG .015
ROTATE	.ASM	CATALOG .035	ROULETTE	.ASC	CATALOG .027
RSPEED	.ASM	CATALOG .038	RSPEED	.COM	CATALOG .038
RTE	.ASM	CATALOG .001	RTEXT	.DAT	SIGMLOG .001
RTMASM	.COM	CATALOG .032	RTMASM	.DOC	CATALOG .032
RTTY	.ASM	CATALOG .041	RUN	.COM	CATALOG .027
RUN	.COM	CATALOG .030	RUN	.PLM	CATALOG .030
RUN2-2	.COM	CATALOG .005	RUN2-3	.COM	CATALOG .005
RUNALG	.COM	CATALOG .028	RUNERR	.TXT	CATALOG .028
RUNK2-0	.COM	CATALOG .005	RUSSIAN	.ASC	CATALOG .021
RUSSIAN	.BAS	CATALOG .013	RWINT	.ALG	CATALOG .028
S	.DOC	CATALOG .034	S/TREK	.BAS	CATALOG .003
SAP	.ASM	CATALOG .019	SAP	.ASM	CATALOG .029
SAP-FIX	.DOC	SIGMLOG .007	SAPD	.COM	CATALOG .035
SAR	.DOC	CATALOG .033	SARABAND	.MUS	CATALOG .039
SAVEBACK	.COM	CATALOG .035	SAVEOB	.COM	CATALOG .035
SBOOT24	.ASM	CATALOG .025	SCOPY	.ASM	CATALOG .019
SCRAMBLE	.ASM	CATALOG .036	SCRAMBLE	.DOC	CATALOG .036
SD-12/15	.ASM	SIGMLOG .009	SECTEST	.BAS	CATALOG .014
SECTEST	.DOC	CATALOG .014	SECTOR	.ASM	SIGMLOG .009
SEDIT	.ASM	CATALOG .001	SEDY	.ASM	CATALOG .014
SEDY	.COM	CATALOG .014	SEEK	.ASM	CATALOG .016
SELECTS	.LIB	CATALOG .029	SEQIO	.LIB	CATALOG .029
SERCHGME	.BAS	CATALOG .033	SHOP	.ASC	CATALOG .027
SHOWGRP	.ASC	SIGMLOG .009	SHOWSWAP	.ASM	CATALOG .035
SIG/M	.LIB	SIGMLOG .004	SIG/M	.LIB	SIGMLOG .005
SIG/M	.LIB	SIGMLOG .007	SIG/M	.LIB	SIGMLOG .008
SIG/M	.LIB	SIGMLOG .009	SIG/M	.LIB	SIGMLOG .010
SIG/M	.LIB	SIGMLOG .011	SIISTR	.ALG	CATALOG .028
SINCOS	.OBJ	CATALOG .035	SIZE	.ASM	CATALOG .006
SIZE	.SAM	CATALOG .034	SIZLST	.SAM	CATALOG .034
SKEW2PAT	.ASM	CATALOG .038	SKEW3PAT	.ASM	CATALOG .038
SLED	.SAM	CATALOG .034	SLOAD	.ASM	CATALOG .006
SLOT	.ASC	CATALOG .005	SMALL	.MUS	CATALOG .039
SMAN	.PRN	CATALOG .038	SNOOPY	.ASC	CATALOG .021
SNOOPY	.ASC	CATALOG .027	SNOOPY	.PIC	CATALOG .020
SOLOS	.ASM	CATALOG .015	SORT	.ALG	CATALOG .028
SORT	.ASC	CATALOG .005	SORT	.ASM	CATALOG .006
SORTGL	.ASC	CATALOG .009	SPACE	.ASM	CATALOG .001
SPACE	.ASM	CATALOG .017	SPASCAL	.DOC	CATALOG .040
SPAT	.ASM	CATALOG .001	SPAT1	.ASM	CATALOG .016
SPEED	.COM	CATALOG .038	SPIN	.ASM	CATALOG .035
SPREAD	.MUS	CATALOG .039	SQUARE	.ASC	CATALOG .026
SSPLIB	.FOR	CATALOG .041	STARS	.BAS	CATALOG .003
START	.ASM	CATALOG .042	START	.COM	CATALOG .042
STARTREK	.ASC	CATALOG .005	STARTREK	.ASC	CATALOG .027

FILES:

NAME	DISK	NAME	DISK
STARTREK.BAS	CATALOG .003	STARTREK.BAS	CATALOG .020
STARTREK.DOC	CATALOG .002	STARTREK.TBI	CATALOG .002
STARTREK.TBI	CATALOG .011	STARTREK.TXT	CATALOG .022
STARWAR2.H19	SIGMLOG .010	STARWARS.MUS	CATALOG .039
STATPCH .ASM	CATALOG .025	STEXT .DAT	SIGMLOG .001
STMASTER.BAS	CATALOG .020	STMASTER.DOC	CATALOG .020
STOIC .COM	CATALOG .025	STOIC .DOC	CATALOG .023
STOICBAS.STC	CATALOG .023	STOICCPM.DOC	CATALOG .023
STOICD/A.STC	CATALOG .023	STOICEDT.STC	CATALOG .023
STOICFFT.STC	CATALOG .023	STOICFLE.STC	CATALOG .023
STOICFLT.STC	CATALOG .023	STOICINT.STC	CATALOG .023
STOICITP.STC	CATALOG .023	STOICMIS.STC	CATALOG .023
STOICSIN.STC	CATALOG .023	STOICSRT.STC	CATALOG .023
STORY .BAS	CATALOG .003	STRIKE9 .BAS	CATALOG .003
STRING .ALG	CATALOG .028	STRTRK/1.BAS	CATALOG .020
STRTRK/2.ASC	CATALOG .021	STRTRK/2.ASC	CATALOG .022
STRTRK/3.ASC	CATALOG .021	STRTST .ALG	CATALOG .028
SUBS1 .BAS	CATALOG .043	SUBS1 .BAS	CATALOG .044
SUPTRK3 .ASC	CATALOG .005	SURVEY .COM	SIGMLOG .004
SURVEY3 .ASM	CATALOG .046	SURVEY3 .ASM	SIGMLOG .004
SURVEY3 .COM	CATALOG .046	SWARMS .ASC	CATALOG .026
SWARMS .BAS	CATALOG .013	SWARMS2 .ASC	CATALOG .013
SYMPRT .ASM	CATALOG .008	SYMSTACK.LIB	CATALOG .029
SYNONYMS.ASC	CATALOG .027	T .ASM	CATALOG .042
T .COM	CATALOG .042	TABLE .ASM	CATALOG .035
TACOS .ASC	CATALOG .021	TAG .ASM	SIGMLOG .007
TAPELIB .COM	CATALOG .024	TAPELIB .DOC	CATALOG .024
TAPELIB .MAC	CATALOG .024	TARBELL .DOC	CATALOG .025
TARGET .ASM	CATALOG .015	TARGET .ASM	CATALOG .029
TASMIO .DOC	CATALOG .016	TASMIO .HEX	CATALOG .016
TASMIO .MAC	CATALOG .016	TAXMAN .ASC	CATALOG .021
TBASIC .1	CATALOG .031	TBASIC .10	CATALOG .031
TBASIC .11	CATALOG .031	TBASIC .12	CATALOG .031
TBASIC .13	CATALOG .031	TBASIC .14	CATALOG .031
TBASIC .15	CATALOG .031	TBASIC .2	CATALOG .031
TBASIC .3	CATALOG .031	TBASIC .4	CATALOG .031
TBASIC .5	CATALOG .031	TBASIC .6	CATALOG .031
TBASIC .7	CATALOG .031	TBASIC .8	CATALOG .031
TBASIC .9	CATALOG .031	TBASIC .A	CATALOG .031
TBASIC .AD	CATALOG .031	TBASIC .B1	CATALOG .031
TBASIC .B2	CATALOG .031	TBASIC .C	CATALOG .031
TBASIC .COM	CATALOG .031	TBASIC .CPM	CATALOG .031
TBASIC .D1	CATALOG .031	TBASIC .D2	CATALOG .031
TBASIC .E	CATALOG .031	TBASIC .H	CATALOG .031
TBASIC .I	CATALOG .031	TBASIC .IND	CATALOG .031
TBASIC .J	CATALOG .031	TBASIC .K	CATALOG .031
TBASIC .TOC	CATALOG .031	TBASICA1.ASM	CATALOG .032
TBASICA2.ASM	CATALOG .032	TBASICA3.ASM	CATALOG .032
TBASICA4.ASM	CATALOG .031	TBASICA5.ASM	CATALOG .031
TBASICA6.ASM	CATALOG .031	TBASICIO.ASM	CATALOG .032
TCGWOZ .TXT	CATALOG .044	TEACH .ASM	CATALOG .041
TED .COM	CATALOG .036	TED .DOC	CATALOG .036
TERMTEST.ASM	SIGMLOG .009	TEST .ASM	SIGMLOG .008

FILES:

NAME	DISK	NAME	DISK
TEST .FIL	CATALOG .010	TEST1A .ASM	CATALOG .016
TEST2 .ASM	CATALOG .016	TEXCLEAN.ASM	SIGMLOG .007
THREED .SAM	CATALOG .034	TIME .ASM	CATALOG .042
TIME .BAS	CATALOG .042	TIMESSET .BAS	CATALOG .042
TIMESQ .ASM	CATALOG .029	TINICOPY.SUB	CATALOG .011
TINIDISK.ASM	CATALOG .011	TINIDISK.COM	CATALOG .011
TINIDISK.DOC	CATALOG .011	TINSOLD .MUS	CATALOG .039
TINYBAS .COM	CATALOG .002	TINYBAS .DOC	CATALOG .002
TISQ .ASM	CATALOG .006	TLOAD .ASM	CATALOG .006
TLOAD .ASM	CATALOG .015	TMAP .ASM	CATALOG .006
TOP .AZM	CATALOG .036	TOP .PRN	CATALOG .036
TOP .TOP	CATALOG .036	TPA3 .ASM	SIGMLOG .007
TRACE .ASM	CATALOG .035	TRACE .COM	CATALOG .035
TRADE .ASC	CATALOG .021	TRAIN .ASM	CATALOG .001
TRAN .SRC	CATALOG .029	TRAP .ASC	CATALOG .021
TRAP .BAS	CATALOG .013	TRAVEL .DAT	SIGMLOG .001
TREAD .ASM	CATALOG .001	TREAD .ASM	CATALOG .019
TREKINFO.DOC	CATALOG .022	TREKINST.	CATALOG .003
TREKINST.	CATALOG .020	TREKMOD .ASC	CATALOG .022
TSAVE .ASM	CATALOG .006	TSAVE .ASM	CATALOG .015
TSAVE .ASM	CATALOG .019	TTT .ASM	CATALOG .029
TTT .BAS	CATALOG .003	TTY .ASM	CATALOG .041
TTYDRV .MAC	CATALOG .025	TTYR .ASM	CATALOG .041
TTYR1 .ASM	CATALOG .041	TTYX .ASM	CATALOG .041
TWEETY .PIC	CATALOG .020	U-G-FORM.LIB	CATALOG .034
U-G-FORM.LIB	CATALOG .037	U-G-FORM.LIB	CATALOG .038
U-G-FORM.LIB	CATALOG .039	U-G-FORM.LIB	CATALOG .041
U-G-FORM.LIB	CATALOG .046	UCAT .ASM	CATALOG .025
UCAT .COM	CATALOG .025	UCAT .COM	CATALOG .040
UCOPY .ASM	CATALOG .047	UGFORM .	CATALOG .043
UNLOAD .ASM	CATALOG .029	UPD051 .TXT	CATALOG .034
UPD052 .TXT	CATALOG .034	USER-8/8.ASM	SIGMLOG .007
USERLST .ASM	SIGMLOG .009	USRMAN .TXT	CATALOG .028
UTL .LIB	CATALOG .038	V2FORMAT.ASM	SIGMLOG .007
VBIO31 .ASM	CATALOG .001	VBOOT31 .ASM	CATALOG .001
VDM .DOC	CATALOG .029	VDMSAVE .ASM	CATALOG .040
VERIFY .SAM	CATALOG .034	VISPOD .BAS	CATALOG .033
VLIST11 .ASM	SIGMLOG .009	VOLSAM .DOC	CATALOG .034
VOLUME .BAS	CATALOG .037	VOLUME .INT	CATALOG .037
VOLUME1 .DOC	CATALOG .001	VOLUME11.DOC	CATALOG .011
VOLUME16.DOC	CATALOG .016	VOLUME17.DOC	CATALOG .017
VOLUME18.DOC	CATALOG .018	VOLUME19.DOC	CATALOG .019
VOLUME23.DOC	CATALOG .023	VOLUME24.DOC	CATALOG .024
VOLUME25.DOC	CATALOG .025	VOLUME29.DOC	CATALOG .029
VOLUME3A.DOC	CATALOG .003	VOLUME3B.DOC	CATALOG .003
VOLUME4 .DOC	CATALOG .004	VOLUME5 .DOC	CATALOG .005
VOLUME7 .DOC	CATALOG .007	W/SEARCH.ASC	CATALOG .021
WALK .MUS	CATALOG .039	WARI .ASC	CATALOG .021
WAVES .MUS	CATALOG .039	WDIR .COM	CATALOG .004
WDIR .M80	CATALOG .004	WEATHER .ASC	CATALOG .026
WEIGHT .BAS	CATALOG .037	WEIGHT .INT	CATALOG .037
WFILE .OUT	CATALOG .028	WHATI .MUS	CATALOG .039
WHENS .LIB	CATALOG .029	WHICH .ASM	SIGMLOG .009

FILES:

NAME	DISK	NAME	DISK
WHOLE .BAS	CATALOG .037	WHOLE .INT	CATALOG .037
WIERD .	CATALOG .012	WIERD .MUS	CATALOG .039
WIERD .PLT	CATALOG .012	WINPUT .INP	CATALOG .028
WORD-PZL.ASC	CATALOG .026	WRITCUST.BAS	CATALOG .043
WRITEINV.BAS	CATALOG .043	WRITEVND.BAS	CATALOG .043
WSYSGEN .ASM	CATALOG .029	WUMP .ASC	CATALOG .021
WUMPAS .BAS	CATALOG .013	WUMPUS .BAS	CATALOG .003
WYLECON2.LIB	CATALOG .008	X\$UTIL .SAM	CATALOG .034
XD .COM	CATALOG .034	XD-7/4 .ASM	CATALOG .046
XD-7/4 .COM	CATALOG .046	XDIR .ASM	CATALOG .024
XDIR .COM	CATALOG .004	XDIR .COM	CATALOG .024
XDIR .COM	CATALOG .034	XDIR .M80	CATALOG .004
XDIR6/28.ASM	SIGMLOG .004	XFER .ASM	CATALOG .019
XFER5-8 .ASM	SIGMLOG .007	XFER8-5 .ASM	SIGMLOG .007
XM .COM	CATALOG .034	XMODEM32.ASM	SIGMLOG .007
XMODEM38.ASM	SIGMLOG .008	XREF .ASM	CATALOG .008
XREF .ASM	CATALOG .036	XSTAT .COM	CATALOG .001
XSTAT2 .ASM	CATALOG .008	XT .ASM	CATALOG .042
XT .COM	CATALOG .042	XTRA .ASM	CATALOG .035
XYZZY .COM	CATALOG .042	YANKEE .MUS	CATALOG .039
Z-LCTOUC.	CATALOG .004	Z80-OPS .ASM	CATALOG .017
Z80ASM .COM	CATALOG .016	Z80DOC .DOC	CATALOG .016
Z80EXT .LIB	SIGMLOG .007	Z80MAIN .ASM	CATALOG .016
Z80OPCDS.ASM	CATALOG .016	Z80SUBS .ASM	CATALOG .016
ZAP1 .INS	SIGMLOG .006	ZAP3 .INS	SIGMLOG .006
ZAP5 .INS	SIGMLOG .006	ZAPMON .HEX	SIGMLOG .006
ZAPMON .MOS	SIGMLOG .006	ZILASM .COM	SIGMLOG .006
ZLIST .COM	CATALOG .025	ZOSO .2	CATALOG .013
ZOSO .20	CATALOG .020	ZOSO .22	CATALOG .022
ZOSO21 .DOC	CATALOG .021	ZOSO21 .TOP	CATALOG .021
ZOSO26 .DOC	CATALOG .026	ZOSO27 .DOC	CATALOG .027
ZPILOT .COM	CATALOG .012	ZPILOT .Z80	CATALOG .012
ZX65 .COM	SIGMLOG .006	ZX65R .PRN	SIGMLOG .006
ZX65R .ZSM	SIGMLOG .006	ZXART .DOC	SIGMLOG .006
ZXHINTS .DOC	SIGMLOG .006	ZXLDR .PRN	SIGMLOG .006
ZXLDR .ZSM	SIGMLOG .006	ZXTAB1 .DOC	SIGMLOG .006
ZXTAB2 .DOC	SIGMLOG .006	ZXTAB3 .DOC	SIGMLOG .006
ZXTAB4 .DOC	SIGMLOG .006		

ALG files.

ARRAY	28-c	BLKTEST	28-c	BOOLINT	28-c	CASETEST	28-c
CASETWO	28-c	FLYTEST	28-c	GOTOTEST	28-c	HANOI	28-c
LUNAR	28-c	ONEND2	28-c	PERM	28-c	READWORD	28-c
RWINT	28-c	SIISTR	28-c	SORT	28-c	STRING	28-c
STRTST	28-c						

ASC files.

15/PUZ	13-c	1500	13-c	21	5-c	ACYDUCY	21-c
ANTONYMS	27-c	APOLLO	21-c	BACCRRT	26-c	BANNER	21-c
BASEBALL	26-c	BIGTREK	22-c	BIO	21-c	BIO-FF	5-c
BIOCAL	26-c	BIORYME	13-c	BIORYTH	5-c	BIRTHDAY	26-c
BLACKJCK	26-c	BLKFRI2	5-c	BLKFRI3	21-c	BLKJK	21-c
BUDGET	26-c	CHASE	21-c	CHASE	26-c	CHESS	21-c
CHESS	26-c	CIVILWAR	26-c	CLIMATES	26-c	CLOUD-9	26-c
COPCON	9-c	COPRAN	9-c	CRAPS	26-c	CRAZY-8	26-c
DECISION	5-c	DIAMONDS	21-c	DISSAMBR	27-c	DOTS	27-c
DRAGRACE	27-c	EDTEXT	5-c	ENTE	21-c	ENTEP	21-c
FOOTBALL	27-c	FORMAT	5-c	FURS	21-c	GALAXY	26-c
GALAXY2	26-c	GETPUT	9-c	GL1	9-c	GL2	9-c
GL3	9-c	GL4	9-c	GL5	9-c	GL6	9-c
GL7	9-c	GLMENU	9-c	GOLF	27-c	GREEKRTS	27-c
HANGMN-1	27-c	HANGMN-2	27-c	HANGMN-3	27-c	HIDEESEEK	27-c
HORSE	21-c	IQUEEN	27-c	KING	21-c	LANDER	21-c
LISTGRPS	9-s	MANDALA	21-c	MASTERMD	27-c	MAZE	21-c
MAZE	27-c	MBMBOT	36-c	MEGATREK	27-c	MEMBRIN	27-c
N-ELT1	33-c	NIM	27-c	PURGE	7-s	RADIX	5-c
RBBS22	8-s	RBSUTL22	8-s	RECOVERY	5-c	RIBBS	7-s
ROCKET	21-c	ROULETTE	27-c	RUSSIAN	21-c	SHOP	27-c
SHOWGRP	9-s	SLOT	5-c	SNOOPY	21-c	SNOOPY	27-c
SORT	5-c	SORTGL	9-c	SQUARE	26-c	STARTREK	5-c
STARTREK	27-c	STRTRK/2	21-c	STRTRK/2	22-c	STRTRK/3	21-c
SUPTRK3	5-c	SWARMS	26-c	SWARMS2	13-c	SYNONYMS	27-c
TACOS	21-c	TAXMAN	21-c	TRADE	21-c	TRAP	21-c
TREKMOD	22-c	W/SEARCH	21-c	WARI	21-c	WEATHER	26-c
WORD-PZL	26-c	WUMP	21-c				

ASM files.

3712DIAG	5-s	3740UTIL	4-s	3812DIAG	5-s	3DTICTAC	17-c
88-MODEM	25-c	ADE	19-c	ALLOC	15-c	ALLOC	29-c
ALS8CPM	10-s	ASSIGN	1-c	AUTOX	9-s	BANNER	8-c
BASIC/5	11-c	BCD-DRVR	14-c	BDOS-PAT	4-s	BEASTIE	15-c
BIDI	42-c	BINLOAD1	8-c	BLOAD	6-c	BMAP7/11	4-s
BMAP7/11	47-c	BOOT	8-s	BOOT	25-c	BOOTER	40-c
BPNF	8-c	BSPAT16B	8-c	BVBOOT	38-c	BVIO	38-c
BYTEMOV	8-c	CASDSK	1-c	CASUAL	18-c	CAT	25-c
CBIOS24	25-c	CCOS1	6-c	CCPPATCH	4-s	CHANGE	4-s
CHASE	15-c	CHASE	29-c	CHAT13	8-s	CKSUM	6-c
CLEAR	35-c	CLKROM	42-c	COMBINE	36-c	COMPARE	6-c
COMPARE	40-c	COPY	1-c	COPY	19-c	COPY	25-c

COPYDSK	16-c	COPYFAST	47-c	COPYX	1-c	CPM-FDOS	46-c
CPM-PEN	36-c	CPMUTIL	16-c	CPUDIAG	5-s	CPYFIL15	9-s
CRCK10/6	9-s	CRCK3	4-s	CRCK3	46-c	CREATE	35-c
CROROS	17-c	CUTTER	6-c	CV	40-c	CYBER	47-c
DCHAYES	25-c	DCHBYE55	7-s	DCHBYE57	8-s	DCHDIAG	25-c
DDTPATCH	8-c	DEFLECT	29-c	DENVBAS	17-c	DFOCO	38-c
DI	40-c	DIABLO	1-c	DIAL6/23	47-c	DIRFIX	4-s
DIRS10/1	4-s	DIRS1015	9-s	DIRS9/8	47-c	DIS	42-c
DISASSM1	1-c	DISASSM2	1-c	DISKDUP	8-c	DISKTES1	8-c
DISKTEST	1-c	DISPLAY	17-c	DISPLAYP	9-s	DISPONOF	35-c
DISTPLUS	35-c	DIV16B	10-s	DLDDHI	14-c	DLOAD	14-c
DMSPATCH	38-c	DOODLE	35-c	DSCUSPAT	38-c	DSKCAS	1-c
DSKDIR	8-c	DSKRD	35-c	DU	40-c	DU-10/26	9-s
DU-8/12	4-s	DU-8/12	46-c	DU-V61	46-c	DUMP	15-c
DUMP	24-c	DUPUSR2	4-s	ED3	1-c	EDIT	29-c
EDUCATOR	16-c	EJECT	40-c	EXAM	1-c	EXECPLUS	35-c
EXECSAFE	35-c	EXTF	34-c	FAST	38-c	FBIOS24	25-c
FBOOT24	25-c	FCBMOV	35-c	FCBNEW	35-c	FDOS-CPM	46-c
FELIX	35-c	FILPRINT	4-s	FIND	36-c	FIND3/18	9-s
FINDBD37	4-s	FINDBD38	9-s	FLIP-8/8	7-s	FLIP3	47-c
FLTARITH	18-c	FMAP	8-c	FMAP6/12	4-s	FOCAL	16-c
FORMAT	25-c	FORMAT1	8-c	FPCONV	18-c	FUNCTION	17-c
GETF	35-c	GETW	35-c	GO	8-c	HEXDUMP	40-c
HEXOUT	35-c	HYS13	1-c	HYS15	1-c	ICOPY	1-c
IDIR	1-c	IDUMP	6-c	INIT	15-c	INIT2	15-c
KERNEL	23-c	KERNL	15-c	LETTER	25-c	LIFE8	42-c
LINK	19-c	LINK73	19-c	LIOS	1-c	LIST32	14-c
LLLBASIC	2-c	LLLBASIC	10-c	LLLFP	2-c	LLLFP	10-c
LLLMON	2-c	LLLMON	10-c	LOADPROG	35-c	LTG	1-c
MAC4	8-c	MATH	18-c	MAZE	1-c	MBOOT3	8-s
MDGCBIOS	15-c	MDGSBOOT	15-c	MDIR8/17	9-s	MDIR8/17	46-c
MEM-MAP	7-s	MEMDIAG	5-s	MEMTST	1-c	MENU	7-s
MFT45	9-s	MIC-XFER	7-s	MIC-XFER	9-s	MICROPAT	38-c
MIKEBIOS	9-s	MILMON80	18-c	MINOL	17-c	MLIST3	46-c
MLIST34	7-s	MNEMONIC	42-c	MODEM	6-c	MODEM	25-c
MODEM4	40-c	MODEM5A	8-s	MODEM7	47-c	MODEM926	7-s
MORSE	41-c	MOVDOWN	16-c	MOVE	14-c	MOVE	29-c
MOVE6/12	7-s	MOVENMAC	29-c	MUSIC	29-c	MUSIC4	39-c
NBIOS	42-c	NEWBAUD	8-s	NFMAP	9-s	NLIST	9-s
NOTATE	29-c	NSBOOT	40-c	NSCBIOS	40-c	NSCPM48	10-s
NUMBER	35-c	NUMS	17-c	OBJECT	35-c	OBJNULL	35-c
PACKUP	38-c	PARM	35-c	PAS2CPM	8-s	PASCAL	8-s
PASTOCPM	8-s	PATH	35-c	PBOOT	8-s	PBOOT	40-c
PBURN	8-c	PEN-CPM	36-c	PG0EQU	4-s	PGEN	8-s
PGEN	40-c	PILOT	7-c	PILOT	12-c	PINIT	8-s
PIRANHA	29-c	PLINK823	46-c	PLINK925	7-s	PLNK1018	8-s
PLOT	34-c	PMMIBYE3	40-c	PMMIBYE5	46-c	PMON	12-c
PONG	41-c	POSIT	35-c	POW	36-c	PRACTICE	41-c
PRINT	1-c	PRINT2	8-c	PRINT3	15-c	PRNT	1-c
PROC1	15-c	PROC2	15-c	PROC3	15-c	PROC4	15-c
PROC5	15-c	PROC6	15-c	PROC7	15-c	PROC8	15-c
PROCCALC	17-c	PROCSELF	18-c	PROM	47-c	PTSRCNVT	42-c
PURGE	6-c	PUT	14-c	PUTF	35-c	PUTW	35-c
QCAT	25-c	REL	38-c	REL1	14-c	RELDUMP	7-s
RELHDR	38-c	RELOC	1-c	REMOV'	39-c	RESCALE	35-c
REZ	10-s	RM80	19-c	ROBIN	29-c	ROBOT	29-c
ROMP	15-c	ROTATE	35-c	RSPEED	38-c	RTE	1-c

RTTY	41-c	SAP	19-c	SAP	29-c	SBOOT24	25-c
SCOPY	19-c	SCRAMBLE	36-c	SD-12/15	9-s	SECTOR	9-s
SEDIT	1-c	SEDY	14-c	SEEK	16-c	SHOWSWAP	35-c
SIZE	6-c	SKEW2PAT	38-c	SKEW3PAT	38-c	SLOAD	6-c
SOLOS	15-c	SORT	6-c	SPACE	1-c	SPACE	17-c
SPAT	1-c	SPAT1	16-c	SPIN	35-c	START	42-c
STATPCH	25-c	SURVEY3	4-s	SURVEY3	46-c	SYMPRT	8-c
T	42-c	TABLE	35-c	TAG	7-s	TARGET	15-c
TARGET	29-c	TBASICA1	32-c	TBASICA2	32-c	TBASICA3	32-c
TBASICA4	31-c	TBASICA5	31-c	TBASICA6	31-c	TBASICIO	32-c
TEACH	41-c	TERMTEST	9-s	TEST	8-s	TEST1A	16-c
TEST2	16-c	TEXCLEAN	7-s	TIME	42-c	TIMESQ	29-c
TINIDISK	11-c	TISQ	6-c	TLOAD	6-c	TLOAD	15-c
TMAP	6-c	TPA3	7-s	TRACE	35-c	TRAIN	1-c
TREAD	1-c	TREAD	19-c	TSAVE	6-c	TSAVE	15-c
TSAVE	19-c	TTT	29-c	TTY	41-c	TTYR	41-c
TTYR1	41-c	TTYX	41-c	UCAT	25-c	UCOPY	47-c
UNLOAD	29-c	USER-8/8	7-s	USERLST	9-s	V2FORMAT	7-s
VBIOS31	1-c	VBOOT31	1-c	VDMSAVE	40-c	VLIST11	9-s
WHICH	9-s	WSYSGEN	29-c	XD-7/4	46-c	XDIR	24-c
XDIR6/28	4-s	XFER	19-c	XFER5-8	7-s	XFER8-5	7-s
XMODEM32	7-s	XMODEM38	8-s	XREF	8-c	XREF	36-c
XSTAT2	8-c	XT	42-c	XTRA	35-c	Z80-OPS	17-c
Z80MAIN	16-c	Z80OPCDS	16-c	Z80SUBS	16-c		

BAS files.

23MATCH	13-c	A/P-INFO	43-c	A/P000	43-c	A/P010	43-c
A/P02A	43-c	A/P02B	43-c	A/P030	43-c	A/P040	43-c
A/P050	43-c	A/P060	43-c	A/P070	43-c	A/P080	43-c
A/P090	43-c	A/P110	43-c	A/P120	43-c	A/R-INFO	43-c
A/R-INV	43-c	A/R010	43-c	A/R020	43-c	A/R03A	43-c
A/R03B	43-c	A/R040	43-c	A/R050	43-c	A/R060	43-c
A/R070	43-c	A/R080	43-c	A/RTAX	43-c	ACCTFILE	44-c
ACE	3-c	ADDPOD	33-c	AMAZE	3-c	ANIMAL	3-c
ANNTOT1	44-c	AREA	37-c	AWAVE	39-c	BAGELS	3-c
BAGELS	13-c	BAGELS2	3-c	BIGTREK	22-c	BINSEARC	43-c
BINSERCH	44-c	BIOPRINT	3-c	BITCASP	33-c	BLACKBOX	10-s
BLACKJAC	13-c	BLACKJAC	20-c	BLKFRI	3-c	BLKFRI2	3-c
BMAINT	41-c	BOGGLE	10-s	BREPORT	41-c	BUDGET1	44-c
BUDGETCH	44-c	BULLSEYE	13-c	CAESAR	33-c	CANNONS	3-c
CAPSERCH	33-c	CASPGAME	33-c	CASPPLUS	33-c	CHAIN	26-c
CHAIN	37-c	CHASE	3-c	CHECKERS	13-c	CHIEF	13-c
CHOMP	3-c	CIVILW	20-c	CODE	41-c	COMBINE	3-c
CONVERT	13-c	CORE	3-c	CORETEST	3-c	CPMLABEL	46-c
CPUPARTS	37-c	CRAPS	3-c	CRAPS	37-c	CRTFM	43-c
CRTFM	44-c	CURSOR	43-c	CURSOR	44-c	DBENTRY	28-c
DBQUERY	28-c	DBSETUP	28-c	DEC1	37-c	DEC2	37-c
DEC3	37-c	DEC4	37-c	DEC5	37-c	DEC6	37-c
DECIMAL	37-c	DFELT	33-c	DICE	13-c	DISTANCE	37-c
ELTPOD	33-c	EUCLID	3-c	FIB	3-c	FILEINIT	43-c
FILEINIT	44-c	FIT	3-c	FOOTBALL	20-c	FORMAT	3-c
FORMULA	37-c	FRAC1	37-c	FRAC2	37-c	FRAC3	37-c
FRAC4	37-c	FRACTION	37-c	G/L-INFO	43-c	G/L-INFO	44-c
G/L000	44-c	G/L010	44-c	G/L020	44-c	G/L030	44-c

G/L040	44-c	G/L050	44-c	G/L070	44-c	G/L080	44-c
GAMMONB	10-s	GENINFO	43-c	GENINFO	44-c	GOLF	20-c
GRADE	37-c	GUNNER	20-c	HANG	3-c	HEADER	37-c
HELLO	3-c	INTEGER	37-c	JOURNAL	10-s	JRNL	37-c
KENO	3-c	KINGDOM	13-c	LABELS	41-c	LANDER	3-c
LANES	3-c	LANES	10-s	LEDGER1	44-c	LEM	3-c
LOAN	3-c	LOVE	3-c	LUNAR1	20-c	MAINT	6-c
MAINT	28-c	MANPARTS	37-c	MOONLOC1	41-c	MOONLOC2	41-c
MOONLOC3	41-c	MOONLOC5	41-c	N-ELT1	33-c	NEWFRAC2	37-c
NFL	13-c	NOTES	39-c	OPT	33-c	OTHELLO	5-c
P/R000	45-c	P/R010	45-c	P/R020	45-c	P/R030	45-c
P/R040	45-c	P/R050	45-c	P/R06A	45-c	P/R06B	45-c
P/R070	45-c	P/R080	45-c	P/R090	45-c	P/R100	45-c
P/R110	45-c	P/R120	45-c	P/R130	45-c	P/R140	45-c
P/R150	45-c	P/R160	45-c	P/R170	45-c	P/R180	45-c
P/R190	45-c	P/R200	45-c	P/R210	45-c	P/R220	45-c
P/R230	45-c	P/R240	45-c	P/R250	45-c	P/R260	45-c
P/R270	45-c	P/R280	45-c	P/R290	45-c	P/R291	45-c
P/R300	45-c	P/R310	45-c	P/R320	45-c	P/R321	45-c
P/R330	45-c	P/R340	45-c	PARTS	37-c	PASSWORD	37-c
PERCENT	37-c	PLOT2	3-c	POET	3-c	POKER	20-c
POSTFILE	44-c	PREFMT	6-c	QUICKIE	6-c	RANDTEXT	41-c
READCUST	43-c	READINV	43-c	READVEND	43-c	REPORT	6-c
REPORT	28-c	RESIZE2	41-c	RESIZE3	41-c	RJCASP	33-c
ROBO	44-c	ROCKET	13-c	RUSSIAN	13-c	S/TREK	3-c
SECTEST	14-c	SERCHGME	33-c	STARS	3-c	STARTREK	3-c
STARTREK	20-c	STMASTER	20-c	STORY	3-c	STRIKE9	3-c
STRTRK/1	20-c	SUBS1	43-c	SUBS1	44-c	SWARMS	13-c
TIME	42-c	TIMESET	42-c	TRAP	13-c	TTT	3-c
VISPOD	33-c	VOLUME	37-c	WEIGHT	37-c	WHOLE	37-c
WRITCUST	43-c	WRITEINV	43-c	WRITEVND	43-c	WUMPAS	13-c
WUMPUS	3-c						

COM files.

AA	40-c	ACT31	4-c	ACT31UC	4-c	AD	1-s
ADINIT	2-s	ADV	3-s	ADV	11-s	ALGOLM	28-c
ALLOC	40-c	ASMX	16-c	BAS2-0	5-c	BAS2-1	5-c
BASIC	30-c	BASIC/5	11-c	CALENDAR	4-c	CAT	25-c
CAT	40-c	CAT2	40-c	CHESS	41-c	CK-FIX	40-c
CLEANUP	40-c	COMBINE	36-c	COMPARE	40-c	COPY	1-c
COPY	34-c	COPYFAST	47-c	CPM-PEN	36-c	CPMSETL	34-c
CRCK3	46-c	CT82	42-c	CV	40-c	D	40-c
DFOCO	38-c	DI	40-c	DISASM	17-c	DISPLAY	9-s
DOODLE	35-c	DU	40-c	DUMP	14-c	DUMP	24-c
EDIT	16-c	EXEC	35-c	FASM	35-c	FAST	38-c
FELIX	35-c	FILES	1-c	FIND	36-c	FMAP	25-c
FMAP	40-c	FORMAT	24-c	IDUMP	34-c	ILRAW	34-c
KSAP	34-c	L81	4-c	L82	4-c	L82	36-c
L83	4-c	LIFE8	42-c	LINES	36-c	LINKASM	36-c
LIST	36-c	LLLBASIC	2-c	LLLBASIC	10-c	LOADBACK	35-c
LOADOB	35-c	LOADPROG	35-c	LUNAR	13-c	M81	4-c
M81	36-c	MAC6	36-c	MACASM	16-c	MAZE	4-c
MDIR8/17	46-c	MODEM7	47-c	MUSIC	39-c	MUSIC4	39-c
MUSICP	29-c	OTHELLO	15-c	OTHELLO	26-c	PASCAL	8-s

PEN-CPM	36-c	PGEN	8-s	PILOT	12-c	PTSRCNVT	42-c
PTSRCNVT	46-c	RATFOR	24-c	REL256	14-c	REL512	14-c
REL768	14-c	REMOV"	39-c	RESOURCE	42-c	RETDL	46-c
RETURN48	10-s	REZ	10-s	RSPEED	38-c	RTMASM	32-c
RUN	27-c	RUN	30-c	RUN2-2	5-c	RUN2-3	5-c
RUNALG	28-c	RUNK2-0	5-c	SAPD	35-c	SAVEBACK	35-c
SAVEOB	35-c	SEDY	14-c	SPEED	38-c	START	42-c
STOIC	25-c	SURVEY	4-s	SURVEY3	46-c	T	42-c
TAPELIB	24-c	TBASIC	31-c	TED	36-c	TINIDISK	11-c
TINYBAS	2-c	TRACE	35-c	UCAT	25-c	UCAT	40-c
WDIR	4-c	XD	34-c	XD-7/4	46-c	XDIR	4-c
XDIR	24-c	XDIR	34-c	XM	34-c	XSTAT	1-c
XT	42-c	XYZZY	42-c	Z80ASM	16-c	ZILASM	6-s
ZLIST	25-c	ZPILOT	12-c	ZX65	6-s		

DOC files.

/	40-c	3740UTIL	4-s	3X12DIAG	5-s	88-MODEM	25-c
ACT	4-c	ALLOC	40-c	ASSEMBL	23-c	BASIC/5	11-c
BKSPACE	25-c	BONUS	34-c	BOOK	34-c	BOOT	25-c
BOOTER	8-s	BUDGET1	44-c	CATALOG	40-c	CHESS	41-c
CK-FIX	40-c	CPM	19-c	CPMLABEL	46-c	CPUDIAG	5-s
CRAPS	37-c	CV	40-c	D	40-c	DATABASE	28-c
DFOCO	38-c	DIAL6/23	47-c	DICT	23-c	DIS	42-c
DISPLAY	9-s	DLOAD	14-c	DU	40-c	DU/MAP	46-c
EDIT	23-c	EDVDM	6-c	EXPLAIN	6-c	EXTF	34-c
FASTNSTL	38-c	FELIX	35-c	FILES	23-c	FIND	36-c
FLOATPNT	23-c	FMAP	40-c	FRAGMENT	25-c	FRIEND	34-c
G/L	44-c	HAMPROGS	41-c	HOW2BS	42-c	INFO1	34-c
INFO2	34-c	INFO3	34-c	INFO4	34-c	INFO5	34-c
INTRRUPT	23-c	KERNEL	23-c	LEDGER1	44-c	LETTER	25-c
LIFE8	42-c	LINES	36-c	LINKASM	36-c	LIST	36-c
LLLBASIC	2-c	LLLBASIC	10-c	LOAD	23-c	LOAD	25-c
MAC6	36-c	MAILLIST	6-c	MAILLIST	28-c	MATH	18-c
MEGATREK	27-c	MEMDIAG	5-s	MIC-XFER	7-s	MIC-XFER	9-s
ML80	36-c	MODEM	25-c	MODEM4	40-c	MODEM7	47-c
MOONLOC	41-c	MUSIC	39-c	MUSIC4	39-c	MUSPAT	39-c
N-ELT1	33-c	NSCPM48	10-s	OTHELLO	5-c	PASCAL	8-s
PEN-CPM	36-c	PILOT	12-c	PLOT	34-c	PMMIBYE5	46-c
PRICES	34-c	PTSRCNVT	42-c	PTSRCNVT	46-c	RBBS22	8-s
READ-ME	34-c	README	21-c	RELCPM	38-c	RELHOW	14-c
RESIZE	41-c	RESOURCE	42-c	REZ	10-s	RM80	19-c
ROBO	44-c	RTMASM	32-c	S	34-c	SAP-FIX	7-s
SAR	33-c	SCRAMBLE	36-c	SECTEST	14-c	SPASCAL	40-c
STARTREK	2-c	STMASTER	20-c	STOIC	23-c	STOICCPM	23-c
TAPELIB	24-c	TARBELL	25-c	TASMIO	16-c	TED	36-c
TINIDISK	11-c	TINYBAS	2-c	TREKINFO	22-c	VDM	29-c
VOLSAM	34-c	VOLUME1	1-c	VOLUME11	11-c	VOLUME16	16-c
VOLUME17	17-c	VOLUME18	18-c	VOLUME19	19-c	VOLUME23	23-c
VOLUME24	24-c	VOLUME25	25-c	VOLUME29	29-c	VOLUME3A	3-c
VOLUME3B	3-c	VOLUME4	4-c	VOLUME5	5-c	VOLUME7	7-c
Z80DOC	16-c	ZOSO21	21-c	ZOSO26	26-c	ZOSO27	27-c
ZXART	6-s	ZXHINTS	6-s	ZXTAB1	6-s	ZXTAB2	6-s
ZXTAB3	6-s	ZXTAB4	6-s				

FOR files.

ADVENSUB	2-s	ADVENT	2-s	ADVINIT3	2-s	ADVMAIN	2-s
CALENDAR	4-c	CHESS	41-c	EDITM	26-c	INSUB	2-s
MAINSB	2-s	MAZE	4-c	OTHELLO	15-c	OTHELLO	26-c
RND	4-c	SSPLIB	41-c				

INT files.

ANNTOT1	44-c	AREA	37-c	AWAVE	39-c	BLUFF	27-c
BUDGET1	44-c	BUDGETCH	44-c	CHAIN	37-c	CRAPS	37-c
CRTFM	44-c	DEC1	37-c	DEC2	37-c	DEC3	37-c
DEC4	37-c	DEC5	37-c	DEC6	37-c	DECIMAL	37-c
DISTANCE	37-c	FILEINIT	44-c	FORMULA	37-c	FRAC1	37-c
FRAC2	37-c	FRAC3	37-c	FRAC4	37-c	FRACTION	37-c
G/L000	44-c	G/L010	44-c	G/L020	44-c	G/L030	44-c
G/L040	44-c	G/L050	44-c	G/L070	44-c	G/L080	44-c
INTEGER	37-c	JRNL	37-c	LEDGER1	44-c	NOTES	39-c
PERCENT	37-c	ROBO	44-c	VOLUME	37-c	WEIGHT	37-c
WHOLE	37-c						

LIB files.

BIOSGO	8-c	CONCOD	6-s	DISKIN	8-c	DIVIDEL	8-c
DOWHILES	29-c	DSIM	10-s	EQUATES	4-s	GETVEC	1-c
INNUM1	8-c	MAC40	24-c	MACRO	24-c	MACRO	38-c
MACROS	4-s	MAKEFCB	8-c	MFACCESS	36-c	MODEM	47-c
MPY8	8-c	MYMAC	25-c	NCOMPARE	29-c	OPCODE	24-c
OUTNUM1	8-c	RECSEC	8-c	SELECTS	29-c	SEQIO	29-c
SIG/M	4-s	SIG/M	5-s	SIG/M	7-s	SIG/M	8-s
SIG/M	9-s	SIG/M	10-s	SIG/M	11-s	SYMSTACK	29-c
U-G-FORM	34-c	U-G-FORM	37-c	U-G-FORM	38-c	U-G-FORM	39-c
U-G-FORM	41-c	U-G-FORM	46-c	UTL	38-c	WHENS	29-c
WYLECON2	8-c	Z80EXT	7-s				

MAC files.

COPYDSK	16-c	DUMP	14-c	IGADD	29-c	MON1	29-c
MON2	29-c	NUMBER	4-c	TAPELIB	24-c	TASMIO	16-c
TTYDRV	25-c						

MUS files.

2PRTFJSB	39-c	AIR	39-c	ALLEGRO	39-c	AMERICA	39-c
ARIA	39-c	BOOGIE	39-c	BOUREE	39-c	BREEZ	39-c
CALIOPE	39-c	CHOPS	39-c	CHORALE	39-c	DAISY	39-c
ENTER	39-c	HUSTLE	39-c	IRISH	39-c	LAWRENCE	39-c
LVBMIN	39-c	MAPLE	39-c	MARINE	39-c	MINWALZ	39-c
MRIVER	39-c	MYLIFE	39-c	PIC	39-c	PRELUDE	39-c

PUR2MIN	39-c	ROLLING	39-c	SARABAND	39-c	SMALL	39-c
SPREAD	39-c	STARWARS	39-c	TINSOLD	39-c	WALK	39-c
WAVES	39-c	WHATI	39-c	WIERD	39-c	YANKEE	39-c

PIC files.

LINUS	20-c	PINUP	20-c	PINUPl	20-c	SNOOPY	20-c
TWEETY	20-c						

PLM files.

BASIC	30-c	BASPAR	30-c	BASSYN	30-c	BUILD	30-c
RUN	30-c						

SAM files.

DEMO	34-c	DIRFIX	34-c	G	34-c	HOOH	34-c
INFO	34-c	LABEL	34-c	LOOP	34-c	MOVE2	34-c
MULT	34-c	NEWS	34-c	PRINT	34-c	SIZE	34-c
SIZLST	34-c	SLED	34-c	THREED	34-c	VERIFY	34-c
X\$UTIL	34-c						

SRC files.

FPCONV	29-c	FPDATA	29-c	FPINT	29-c	FPPKG	29-c
TRAN	29-c						

STC files.

STOICBAS	23-c	STOICD/A	23-c	STOICEDT	23-c	STOICFFT	23-c
STOICFLE	23-c	STOICFLT	23-c	STOICINT	23-c	STOICITP	23-c
STOICMIS	23-c	STOICSIN	23-c	STOICSRT	23-c		

SUB files.

CBAS	44-c	COMPILE	37-c	FIX	39-c	ML	4-c
MLCOPY	4-c	P/R	45-c	RELCPM	38-c	RELED	38-c
TINICOPY	11-c						

Z80 files.

CT82	42-c	REZ	10-s	ZPILOT	12-c
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